

2008

YZF-R6

KEY FEATURES

1. Light, powerful and bristling with knowledge gained from years of racing, the YZF-R6 is the most advanced production 600cc motorcycle Yamaha—or anybody else—has ever built.
2. The YZF-R6 was the first production motorcycle with a fly-by-wire throttle system—for flawless response under all conditions.
3. YCC-I, Yamaha Chip Controlled Intake, introduced in 2007 on the R1, is now used on the R6 to vary intake tract length for excellent cylinder filling and a broader powerband. On the higher-revving R6, its benefits are even more pronounced.
4. Slipper-type back torque-limiting clutch greatly facilitates braking/downshifting from high speed.
5. The YZF-R6 achieves fuel economy up to an estimated 40 mpg\*\* with a fuel tank that holds 4.6 gallons of gas.

No  
Image  
Available

Cadmium Yellow w/Flames  
\$9,799 MSRP\*

No  
Image  
Available

Team Yamaha Blue/White  
\$9,599 MSRP\*

No  
Image  
Available

Raven  
\$9,599 MSRP\*

No  
Image  
Available

Liquid Silver  
\$9,599 MSRP\*



\*Manufacturer's Suggested Retail Price (MSRP) shown. Does not include tax, title, prep or destination charges. Actual prices set by dealer.

# 2008

# YZF-R6

## FEATURES & BENEFITS

### NEW FOR 2008

Over 50 friction-reducing strategies have been employed inside the engine, including the use of wider crank bearings.

Upgraded fuel injection mapping for the YCC-T dual-injector system complements the higher compression ratio for great throttle response and reduced engine braking.

A magnesium subframe removes weight from the rear of the motorcycle for increased mass centralization.

All-new frame takes handling to the next level, allowing more precise turn-in, greater corner speed, and tighter exits. Thicker headpipe-headstock and swingarm pivot area walls, and elimination of the frame crossmember, help achieve perfect balance.

New swingarm has internal ribs added, and extruded section is now forged to work with the new frame.

Revised outer fork tubes, a new lower triple clamp, and increased fork offset provide highly tactile front-end feedback.

Moving the rider and bars forward and slightly lower enhances braking and turn-in performance. Clip-ons are also lower and re-angled.

Front discs are 310 x 5mm instead of 4.5mm for increased cooling qualities.

Increased fork height adjustability and rear ride-height adjustment range accommodate a greater range of riders and tires.

Revised bodywork results in even greater aerodynamic efficiency.

### ENGINE

YCCT—Yamaha Chip Controlled Throttle—uses a powerful ECU and multiple sensors to provide perfect, smooth engine response and optimal power whenever the throttle is twisted under all conditions.

Twin-injector fuel injection: shower-type injectors above each intake funnel help achieve optimum fuel atomization at high rpm.

Back torque-limiting slipper clutch greatly facilitates braking and downshifting from high speed. Close-ratio six-speed transmission delivers seamless power and maximum acceleration.

GP-style titanium muffler contributes to mass centralization and contains EXUP for a broad powerband, spot-on injection and emissions compliance.

Linerless, direct-plated ceramic-composite cylinder bores mean greater heat dissipation for consistent power delivery and reduced friction.

Cool magnesium valve and engine covers are light and stylish.

Direct-ignition coils, dual-electrode spark plugs and high-output magneto deliver extremely accurate, reliable firing.

### CHASSIS/SUSPENSION

Deltabox aluminum frame incorporates GP thinking in terms of engine positioning and rigidity for the ultimate in 600-class handling.

Lightweight aluminum swingarm pivots high in the frame, for increased anti-squat effect and mid-corner stability. TZ-type chain adjusters ease rear tire changes.

Four-way adjustable (preload, high-speed compression, low-speed compression and rebound damping) inverted fork with 41mm tubes increases freedom in setting up for street or track use; soak up the bumps and resist bottoming when braking.

Four-way adjustable (preload, high-speed compression, low-speed compression and rebound damping) piggyback rear shock delivers exceptional rear wheel tracking and stability.

Dual 310mm front disc brakes use forged one-piece radial-mount calipers and radial-pump front master cylinder with adjustable lever for astounding braking power and feel.

The casting technique for the five-spoke 17-inch wheels makes the rims light and strong, not to mention wickedly cool-looking.

### ADDITIONAL FEATURES

Built-in lap timer is controlled by a right handlebar switch.

Multifunction digital and analog instrumentation features: programmable shift light, digital speedometer, analog tachometer, dual tripmeters with miles-on-reserve function, odometer, water temp gauge and lights for neutral, high beam, low fuel and turn signals.

[yamahamotorsports.com](http://yamahamotorsports.com)

For Accessories, visit [shopyamaha.com](http://shopyamaha.com)

## SPECIFICATIONS:

<b>Engine Type</b>	599cc liquid-cooled inline 4-cylinder; DOHC, 16 titanium valves
<b>Bore x Stroke</b>	67.0 x 42.5mm
<b>Compression Ratio</b>	13.1:1
<b>Fuel Delivery</b>	Fuel Injection with YCC-T and YCC-I
<b>Ignition</b>	TCI
<b>Transmission</b>	6-speed w/multi-plate slipper clutch
<b>Final Drive</b>	#525 O-ring chain
<b>Suspension / Front</b>	41mm inverted fork; 4-way adjustable, 4.7-in travel
<b>Suspension / Rear</b>	Single shock; 4-way adjustable, 4.7-in travel
<b>Brakes / Front</b>	Dual 310mm floating disc; radial-mount 4-piston calipers
<b>Brakes / Rear</b>	220mm disc; single-piston caliper
<b>Tires / Front</b>	120/70-ZR17
<b>Tires / Rear</b>	180/55-ZR17
<b>L x W x H</b>	80.3 in x 27.6 in x 43.3 in
<b>Seat Height</b>	33.5 in
<b>Wheelbase</b>	54.3 in
<b>Rake (Caster Angle)</b>	24°
<b>Trail</b>	3.8 in
<b>Maximum Ground Clearance</b>	5.12 in
<b>Oil Capacity (with oil filter change)</b>	2.75 qt
<b>Fuel Capacity</b>	4.6 gal
<b>Fuel Economy**</b>	40 mpg
<b>Dry Weight</b>	366 lb
<b>Wet Weight***</b>	410 lb
<b>Primary Reduction Ratio</b>	85/41 (2.073)
<b>Secondary Reduction Ratio</b>	45/16 (2.813)

**Gear Ratio - 1st Gear** 17/28 (0.607)  
**Gear Ratio - 2nd Gear** 15/23 (0.652)  
**Gear Ratio - 3rd Gear** 13/21 (0.619)  
**Gear Ratio - 4th Gear** 11/18 (0.611)  
**Gear Ratio - 5th Gear** 10/17 (0.588)

**Gear Ratio - 3rd Gear** 30/18 (1.667)

**Gear Ratio - 4th Gear** 26/18 (1.444)

**Gear Ratio - 5th Gear** 27/21 (1.286)

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**Gear Ratio - 6th Gear** 23/20 (1.150)

**Warranty** 1 Year (Limited Factory Warranty)

**Color** Cadmium Yellow w/Flames; Team Yamaha  
Blue/White; Raven; Liquid Silver