

Converting Colors

$Y_{xy}(20.1026, 0.6066, 0.3115)$

Have a look what the booklet for
Yxy(20.1026, 0.6066, 0.3115)
contains.

Yxy(20.0405, 0.6063, 0.3114)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.0405, 0.6063, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	F70036
RGB	247, 0, 54
RGB Percent	97%, 0%, 21%
CMY	0.0314, 0.9992, 0.7884
CMYK	0.00, 1.00, 0.78, 0.03
HSL	347°, 100%, 48%
HSV	347°, 100%, 97%
XYZ	39.0191, 20.0405, 5.2965
YIQ	80.0090, 129.8780, 69.1580

Conversions

Conversions Part 2

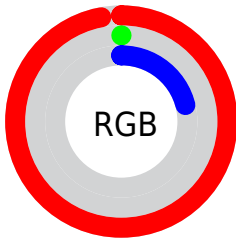
Format	Color
R_{YB}	247, 0, 54
Decimal	16187446
CIE Lab	51.88, 79.01, 44.03
CIE LCh	52, 90.448, 29.131
Yxy	20.0405, 0.6063, 0.3114
Android (android.graphics.Color)	4294377526 (0xFFFF70036)
YUV	80.0090, -12.8224, 146.4511
Hunter-Lab	44.7666, 77.2412, 24.3218

Details

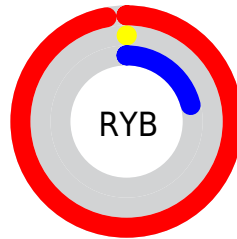
The Yxy color **20.0405, 0.6063, 0.3114** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **70.3742, 0.2449, 0.4017**, and the grayscale version is **8.0528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5653, 0.5080, 0.3251**, and **9.8503, 0.6329, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **20.0359, 0.6065, 0.3115**, and if you desaturate by 10%, it is **20.9472, 0.5772, 0.3029**.

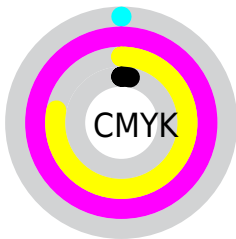
Distribution



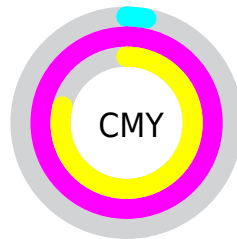
- Red (97%)
- Green (0%)
- Blue (21%)



- Red (97%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0405, 0.6063, 0.3114 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.0405, 0.6063, 0.3114 by changing the saturation by 10% instead.


 20.0405, 0.6063,
0.3114


 20.0405, 0.6063,
0.3114


252.1343, 0.4460,
0.3375


 12.4245, 0.6458,
0.2977


 43.4851, 0.5471,
0.3261


 7.0335, 0.6939,
0.2761


 60.0824, 0.5249,
0.3300

 3.4830, 0.7564,
0.2436

 80.4423, 0.5063,
0.3327

 1.3888, 0.8123,
0.1877

 104.9492, 0.4905,
0.3345

 0.2085, 0.9328,
0.0672

 133.9875, 0.4769,
0.3357

 0.0000, 1.0000,
0.0000

 167.9415, 0.4652,

 0.0000, 0.0000,

0.3366

0.0000

207.1956, 0.4550,
0.3371

■ 20.0405, 0.6063,
0.3114

■ 20.0405, 0.6063,
0.3114

■ 20.0359, 0.6065,
0.3115

■ 20.9472, 0.5772,
0.3029

■ 22.8017, 0.5401,
0.2972

■ 25.8768, 0.4993,
0.2954

■ 30.3395, 0.4591,
0.2969

■ 36.3302, 0.4227,
0.3007

■ 43.9722, 0.3914,
0.3060

■ 53.3762, 0.3653,
0.3119

■ 64.6429, 0.3439,
0.3178

■ 77.8658, 0.3266,
0.3236

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.0405, 0.5006, 0.2348



20.0405, 0.6063, 0.3114



20.0405, 0.5867, 0.3969

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.0405, 0.6063, 0.3114



20.0405, 0.2332, 0.6187



20.0405, 0.1171, 0.1250

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.0405, 0.6063, 0.3114



70.3742, 0.2449, 0.4017

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.0405, 0.0861, 0.1520



20.0405, 0.6063, 0.3114



20.0405, 0.1326, 0.4229

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.0405, 0.6063, 0.3114



20.0405, 0.3599, 0.6176



20.0405, 0.0879, 0.2377



20.0405, 0.1913, 0.1322

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.0405, 0.6063, 0.3114



20.0405, 0.5292, 0.4698



20.0405, 0.0879, 0.2377



20.0405, 0.1028, 0.1295

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.0418, 0.6063, 0.3114



57.2477, 0.3656, 0.3118



17.5892, 0.2615, 0.1214



11.2906, 0.3760, 0.3093



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0418, 0.6063, 0.3114



21.5411, 0.6069, 0.3117



23.6696, 0.6068, 0.3563



16.5416, 0.3259, 0.3239



10.6149, 0.6027, 0.3094



0.9476, 0.5687, 0.2907

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.0418, 0.6063, 0.3114



21.5411, 0.6069, 0.3117



39.8353, 0.1996, 0.2384



16.5416, 0.3259, 0.3239



10.6149, 0.6027, 0.3094



0.9476, 0.5687, 0.2907

Previews

White Background



This preview shows how the Yxy color 20.0405, 0.6063, 0.3114 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.0405, 0.6063, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0405, 0.6063, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 20.0405, 0.6063, 0.3114.



This preview shows how white text looks on a background with the Yxy color 20.0405, 0.6063, 0.3114.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.0405, 0.6063, 0.3114

Protanopia

20.5260, 0.3756, 0.4047

Deuteranopia

20.5017, 0.4528, 0.4453



Tritanopia

20.2253, 0.6317, 0.3331

Trichromacy



Original Color

20.0405, 0.6063, 0.3114



Protanomaly

15.4353, 0.4840, 0.3405



Deuteranomaly

16.2979, 0.5416, 0.3636



Tritanomaly

20.0047, 0.6275, 0.3273

Monochromacy



Original Color

20.0405, 0.6063, 0.3114



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.4853, 0.4638, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0405, 0.6063, 0.3114 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(247, 0, 54)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 54)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(247, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 54) }
```

Border

The CSS property to change the border of an element to Yxy 20.0405, 0.6063, 0.3114 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 0, 54) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(247, 0, 54) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(247, 0, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0405, 0.6063, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 54) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(247, 0,  
54) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor