

Converting Colors

$Y_{xy}(20.1479, 0.6104, 0.3157)$

Have a look what the booklet for
Yxy(20.1479, 0.6104, 0.3157)
contains.

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Color

Yxy(20.1696, 0.6102, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	F70831
RGB	247, 8, 49
RGB Percent	97%, 3%, 19%
CMY	0.0314, 0.9681, 0.8079
CMYK	0.00, 0.97, 0.80, 0.03
HSL	350°, 94%, 50%
HSV	350°, 97%, 97%
XYZ	38.9971, 20.1696, 4.7420
YIQ	84.1350, 129.2830, 63.4190

Conversions

Conversions Part 2

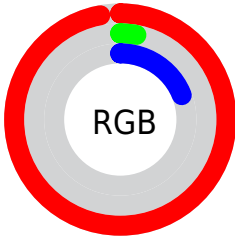
Format	Color
R_{YB}	247, 8, 49
Decimal	16189489
CIE _{Lab}	52.03, 78.31, 46.92
CIE _{LCh}	52, 91.293, 30.930
Yxy	20.1696, 0.6102, 0.3156
Android (android.graphics.Color)	4294379569 (0xFFFF70831)
YUV	84.1350, -17.3216, 142.8326
Hunter-Lab	44.9106, 76.4031, 25.1771

Details

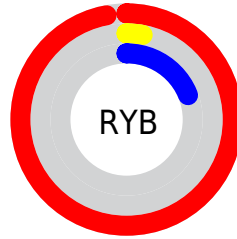
The Yxy color **20.1696, 0.6102, 0.3156** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **71.0322, 0.2401, 0.3832**, and the grayscale version is **8.9265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6539, 0.5135, 0.3305**, and **9.8347, 0.6371, 0.3283** is the 20% darker color. If you saturate the color by 10%, you get **19.9418, 0.6181, 0.3179**, and if you desaturate by 10%, it is **21.2863, 0.5797, 0.3086**.

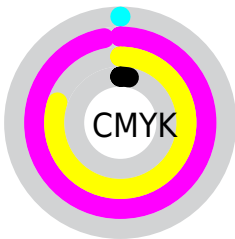
Distribution



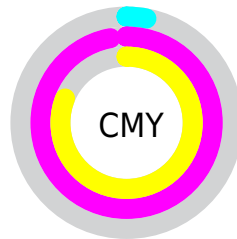
- Red (97%)
- Green (3%)
- Blue (19%)



- Red (97%)
- Yellow (3%)
- Blue (19%)



- Cyan (0%)
- Magenta (97%)
- Yellow (80%)
- Black (3%)





- Cyan (3%)
- Magenta (97%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1696, 0.6102, 0.3156 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 20.1696, 0.6102, 0.3156 by changing the saturation by 10% instead.


 20.1696, 0.6102,
0.3156


 20.1696, 0.6102,
0.3156

252.8318, 0.4489,
0.3407


 12.5184, 0.6492,
0.3017


 43.7013, 0.5512,
0.3303

 7.0978, 0.6970,
0.2801


 60.3507, 0.5288,
0.3341


 3.5233, 0.7541,
0.2459

 80.7682, 0.5100,
0.3366

 1.4107, 0.8097,
0.1903

 105.3382, 0.4940,
0.3383

 0.2246, 0.9278,
0.0722

 134.4452, 0.4803,
0.3393

 0.0000, 1.0000,
0.0000

 168.4735, 0.4684,

 0.0000, 0.0000,

0.3400

0.0000

207.8076, 0.4580,
0.3405

■ 20.1696, 0.6102,
0.3156

■ 20.1696, 0.6102,
0.3156

■ 19.9418, 0.6181,
0.3179

■ 21.2863, 0.5797,
0.3086

■ 23.4883, 0.5402,
0.3044

■ 26.9759, 0.4972,
0.3033

■ 31.9076, 0.4556,
0.3048

■ 38.4190, 0.4184,
0.3081

■ 46.6298, 0.3868,
0.3124

■ 56.6482, 0.3606,
0.3171

■ 68.5735, 0.3394,
0.3217

■ 82.4976, 0.3223,
0.3262

Harmonies

Analogous

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



20.1696, 0.5113, 0.2386



20.1696, 0.6102, 0.3156



20.1696, 0.5837, 0.4025

Triad

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



20.1696, 0.6102, 0.3156



20.1696, 0.2251, 0.6141



20.1696, 0.1193, 0.1236

Complementary

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



20.1696, 0.6102, 0.3156



71.0322, 0.2401, 0.3832

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.



20.1696, 0.0861, 0.1482



20.1696, 0.6102, 0.3156



20.1696, 0.1272, 0.4096

Square

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



20.1696, 0.6102, 0.3156



20.1696, 0.3514, 0.6239



20.1696, 0.0858, 0.2292



20.1696, 0.1969, 0.1327

Rectangle

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



20.1696, 0.6102, 0.3156



20.1696, 0.5232, 0.4768



20.1696, 0.0858, 0.2292



20.1696, 0.1042, 0.1275

Sweetspot

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



20.1709, 0.6102, 0.3156



58.2097, 0.3663, 0.3160



19.6160, 0.2757, 0.1301



11.4648, 0.3773, 0.3140



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.



20.1709, 0.6102, 0.3156



21.4390, 0.6184, 0.3180



26.0951, 0.5875, 0.3690



16.5288, 0.3267, 0.3250



10.5613, 0.6148, 0.3160



0.9411, 0.5831, 0.2986

Inverse Universe

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



20.1709, 0.6102, 0.3156



21.4390, 0.6184, 0.3180



36.0262, 0.1960, 0.2240



16.5288, 0.3267, 0.3250



10.5613, 0.6148, 0.3160



0.9411, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 20.1696, 0.6102, 0.3156 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 20.1696, 0.6102, 0.3156 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 20.1696, 0.6102, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 20.1696, 0.6102, 0.3156.



This preview shows how white text looks on a background with the Yxy color 20.1696, 0.6102, 0.3156.

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

20.1696, 0.6102, 0.3156

Protanopia

20.5074, 0.3848, 0.4163

Deuteranopia

20.4555, 0.4580, 0.4518



Tritanopia

20.1776, 0.6332, 0.3334

Trichromacy



Original Color

20.1696, 0.6102, 0.3156



Protanomaly

15.9270, 0.4914, 0.3524



Deuteranomaly

16.6727, 0.5448, 0.3728



Tritanomaly

20.0479, 0.6291, 0.3289

Monochromacy



Original Color

20.1696, 0.6102, 0.3156



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.1229, 0.4628, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1696, 0.6102, 0.3156 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, 8, 49)` looks like.

```
.text, #text, p{  
    color:rgb(247, 8, 49)  
}
```

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, 8, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 8, 49) }
```

Border

The CSS property to change the border of an element to Yxy 20.1696, 0.6102, 0.3156 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, 8, 49) }
```

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

```
.border{ border-color:rgb(247, 8, 49) }
```

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

Here you see how a box with a 4 pixel rgb(247, 8, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 8, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 8, 49);  
box-shadow:4px 4px 4px 4px rgb(247, 8, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.1696, 0.6102, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 8, 49) }
```

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

```
.background{ background-color: rgb(247, 8,  
49) }
```

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](#).

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