

Converting Colors

$Y_{xy}(20.6625, 0.6056, 0.3202)$

Have a look what the booklet for
Yxy(20.6625, 0.6056, 0.3202)
contains.

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Color

Yxy(20.5984, 0.6050, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	F61B31
RGB	246, 27, 49
RGB Percent	96%, 11%, 19%
CMY	0.0354, 0.8935, 0.8079
CMYK	0.00, 0.89, 0.80, 0.04
HSL	354°, 92%, 54%
HSV	354°, 89%, 96%
XYZ	38.9439, 20.5984, 4.8278
YIQ	94.9890, 123.4620, 53.2700

Conversions

Conversions Part 2

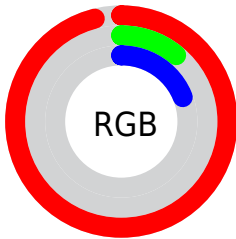
Format	Color
R_{YB}	246, 27, 49
Decimal	16128817
CIE Lab	52.51, 76.08, 47.33
CIE LCh	53, 89.598, 31.886
Yxy	20.5984, 0.6050, 0.3200
Android (android.graphics.Color)	4294318897 (0xFFFF61B31)
YUV	94.9890, -22.6726, 132.4366
Hunter-Lab	45.3855, 73.7407, 25.4630

Details

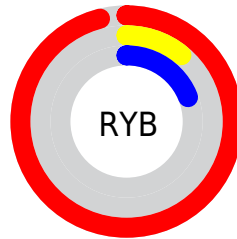
The Yxy color **20.5984, 0.6050, 0.3200** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **71.5161, 0.2340, 0.3570**, and the grayscale version is **11.4945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6073, 0.5099, 0.3350**, and **9.7121, 0.6377, 0.3286** is the 20% darker color. If you saturate the color by 10%, you get **19.7209, 0.6290, 0.3246**, and if you desaturate by 10%, it is **22.4777, 0.5681, 0.3165**.

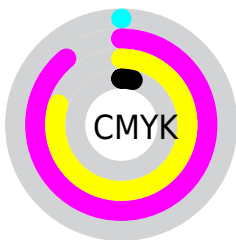
Distribution



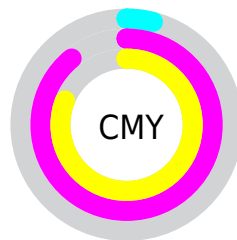
- Red (96%)
- Green (11%)
- Blue (19%)



- Red (96%)
- Yellow (11%)
- Blue (19%)



- Cyan (0%)
- Magenta (89%)
- Yellow (80%)
- Black (4%)



- Cyan (4%)
- Magenta (89%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5984, 0.6050, 0.3200 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 20.5984, 0.6050, 0.3200 by changing the saturation by 10% instead.


 20.5984, 0.6050,
0.3200


 20.5984, 0.6050,
0.3200


255.1364, 0.4468,
0.3425

 12.8308, 0.6432,
0.3068


 44.4182, 0.5471,
0.3336


 7.3121, 0.6900,
0.2862


 61.2391, 0.5252,
0.3370


 3.6581, 0.7467,
0.2533

 81.8467, 0.5068,
0.3392

 1.4842, 0.8014,
0.1986

 106.6251, 0.4911,
0.3407

 0.2776, 0.9121,
0.0879

 135.9589, 0.4776,
0.3415

 0.0000, 1.0000,
0.0000

 170.2325, 0.4659,

 0.0000, 0.0000,

0.3421

0.0000

209.8302, 0.4557,
0.3423

■ 20.5984, 0.6050,
0.3200

■ 20.5984, 0.6050,
0.3200

■ 19.7209, 0.6290,
0.3246

■ 22.4777, 0.5681,
0.3165


■ 19.6552, 0.6309,
0.3249


■ 25.5995, 0.5238,
0.3149


■ 30.1316, 0.4785,
0.3150

■ 36.2146, 0.4366,
0.3166

■ 43.9724, 0.4006,
0.3188

 53.5159, 0.3707,
0.3215

 64.9470, 0.3464,
0.3242

 78.3595, 0.3269,
0.3268

 93.8412, 0.3112,
0.3292

Harmonies

Analogous

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



20.5984, 0.5115, 0.2431



20.5984, 0.6050, 0.3200



20.5984, 0.5773, 0.4068

Triad

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



20.5984, 0.6050, 0.3200



20.5984, 0.2246, 0.6016



20.5984, 0.1240, 0.1266

Complementary

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



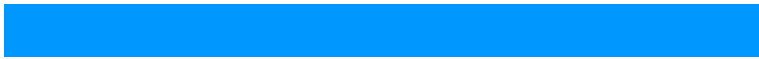
20.5984, 0.6050, 0.3200



71.5161, 0.2340, 0.3570

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.



20.5984, 0.0898, 0.1501



20.5984, 0.6050, 0.3200



20.5984, 0.1289, 0.4010

Square

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



20.5984, 0.6050, 0.3200



20.5984, 0.3492, 0.6204



20.5984, 0.0888, 0.2283



20.5984, 0.2027, 0.1365

Rectangle

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



20.5984, 0.6050, 0.3200



20.5984, 0.5172, 0.4798



20.5984, 0.0888, 0.2283



20.5984, 0.1085, 0.1302

Sweetspot

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



20.5997, 0.6050, 0.3200



60.2922, 0.3656, 0.3220



23.3040, 0.2983, 0.1454



12.0698, 0.3748, 0.3211



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.



20.5997, 0.6050, 0.3200



21.3321, 0.6311, 0.3250



31.8557, 0.5467, 0.3933



16.5094, 0.3278, 0.3267



10.5035, 0.6286, 0.3237



0.9320, 0.6052, 0.3107

Inverse Universe

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



20.5997, 0.6050, 0.3200



21.3321, 0.6311, 0.3250



31.4923, 0.1926, 0.2064



16.5094, 0.3278, 0.3267



10.5035, 0.6286, 0.3237



0.9320, 0.6052, 0.3107

Previews

White Background



This preview shows how the Yxy color 20.5984, 0.6050, 0.3200 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 20.5984, 0.6050, 0.3200 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 20.5984, 0.6050, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 20.5984, 0.6050, 0.3200.



This preview shows how white text looks on a background with the Yxy color 20.5984, 0.6050, 0.3200.

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

20.5984, 0.6050, 0.3200

Protanopia

20.8194, 0.3876, 0.4207

Deuteranopia

20.8010, 0.4573, 0.4515



Tritanopia

20.7050, 0.6203, 0.3317

Trichromacy



Original Color

20.5984, 0.6050, 0.3200

Protanomaly

17.0411, 0.4852, 0.3635

Deuteranomaly

17.7427, 0.5346, 0.3807

Tritanomaly

20.6427, 0.6160, 0.3279

Monochromacy



Original Color

20.5984, 0.6050, 0.3200

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4144, 0.4470, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5984, 0.6050, 0.3200 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(246, 27, 49)` looks like.

```
.text, #text, p{  
    color:rgb(246, 27, 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(246, 27, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 27, 49) }
```

Border

The CSS property to change the border of an element to Yxy 20.5984, 0.6050, 0.3200 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(246, 27, 49) }
```

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

```
.border{ border-color:rgb(246, 27, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 27, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 27, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 27, 49);  
box-shadow:4px 4px 4px 4px rgb(246, 27,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5984, 0.6050, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 27, 49) }
```

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

```
.background{ background-color: rgb(246, 27,  
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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