

Converting Colors

$Yxy(19.6216, 0.6377, 0.3318)$

Have a look what the booklet for
Yxy(19.6216, 0.6377, 0.3318)
contains.

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Color

Yxy(19.6518, 0.6378, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	F50B00
RGB	245, 11, 0
RGB Percent	96%, 4%, 0%
CMY	0.0392, 0.9566, 1.0000
CMYK	0.00, 0.95, 1.00, 0.04
HSL	3°, 100%, 48%
HSV	3°, 100%, 96%
XYZ	37.7755, 19.6518, 1.8005
YIQ	79.7120, 142.9950, 46.1870

Conversions

Conversions Part 2

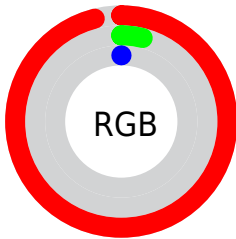
Format	Color
R_{YB}	245, 12, 0
Decimal	16059136
CIE Lab	51.44, 76.92, 65.32
CIE LCh	51, 100.916, 40.339
Yxy	19.6518, 0.6378, 0.3318
Android (android.graphics.Color)	4294249216 (0xFFFF50B00)
YUV	79.7120, -39.2980, 144.9576
Hunter-Lab	44.3304, 74.5283, 28.6231

Details

The Yxy color **19.6518, 0.6378, 0.3318** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **65.3983, 0.2207, 0.3146**, and the grayscale version is **8.0282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1149, 0.5524, 0.3595**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.6532, 0.6378, 0.3318**, and if you desaturate by 10%, it is **20.6509, 0.6204, 0.3335**.

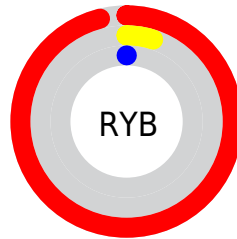
Distribution



Red (96%)

Green (4%)

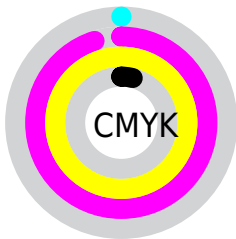
Blue (0%)



Red (96%)

Yellow (5%)

Blue (0%)

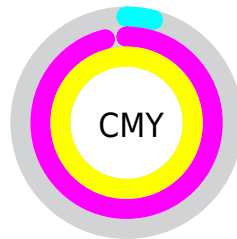


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (96%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6518, 0.6378, 0.3318 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 19.6518, 0.6378, 0.3318 by changing the saturation by 10% instead.


 19.6518, 0.6378,
0.3318


 19.6518, 0.6378,
0.3318


 250.0238, 0.4704,
0.3586


 12.1422, 0.6740,
0.3149


 42.8326, 0.5807,
0.3500

 6.8406, 0.7124,
0.2876


 59.2726, 0.5577,
0.3543


 3.3626, 0.7537,
0.2463


 79.4582, 0.5378,
0.3568

 1.3238, 0.8103,
0.1897

 103.7738, 0.5205,
0.3582

 0.1596, 0.9437,
0.0563

 132.6038, 0.5055,
0.3589

 0.0000, 1.0000,
0.0000

 166.3325, 0.4923,

 0.0000, 0.0000,


0.3591

0.0000

 205.3444, 0.4807,
0.3590


 19.6518, 0.6378,
0.3318

 19.6518, 0.6378,
0.3318

 19.6532, 0.6378,
0.3318

 20.6509, 0.6204,
0.3335

 22.6455, 0.5880,
0.3353

 25.8217, 0.5445,
0.3361

 30.3242, 0.4973,
0.3360

 36.2770, 0.4522,
0.3353

■ 43.7897, 0.4125,
0.3341

■ 52.9615, 0.3792,
0.3328

■ 63.8833, 0.3521,
0.3315

■ 76.6394, 0.3303,
0.3302

Harmonies

Analogous

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



19.6518, 0.5810, 0.2532



19.6518, 0.6378, 0.3318



19.6518, 0.5697, 0.4303

Triad

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



19.6518, 0.6378, 0.3318



19.6518, 0.1729, 0.5966



19.6518, 0.1255, 0.1102

Complementary

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



19.6518, 0.6378, 0.3318



65.3983, 0.2207, 0.3146

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.



19.6518, 0.0800, 0.1221



19.6518, 0.6378, 0.3318



19.6518, 0.0919, 0.3387

Square

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



19.6518, 0.6378, 0.3318



19.6518, 0.2983, 0.6735



19.6518, 0.0684, 0.1810



19.6518, 0.2256, 0.1292

Rectangle

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



19.6518, 0.6378, 0.3318



19.6518, 0.4858, 0.5142



19.6518, 0.0684, 0.1810



19.6518, 0.1056, 0.1105

Sweetspot

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



19.6532, 0.6378, 0.3318



57.9324, 0.3794, 0.3328



25.5169, 0.3296, 0.1589



11.4438, 0.3927, 0.3334



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.



19.6532, 0.6378, 0.3318



21.5115, 0.6379, 0.3317



35.5553, 0.5334, 0.4147



16.6025, 0.3293, 0.3301



10.6405, 0.6368, 0.3325



0.9767, 0.6288, 0.3390

Inverse Universe

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



65.3983, 0.2207, 0.3146



71.6085, 0.2207, 0.3146



18.7023, 0.1733, 0.1438



18.6219, 0.2981, 0.3279



35.2889, 0.2208, 0.3149



3.1405, 0.2213, 0.3167

Previews

White Background



This preview shows how the Yxy color 19.6518, 0.6378, 0.3318 looks on a white background.

Color Contrast Check

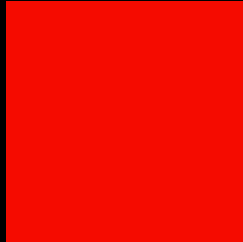
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6518, 0.6378, 0.3318 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 19.6518, 0.6378, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 19.6518, 0.6378, 0.3318.



This preview shows how white text looks on a background with the Yxy color 19.6518, 0.6378, 0.3318.

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

19.6518, 0.6378, 0.3318

Protanopia

20.0086, 0.4273, 0.4719

Deuteranopia

20.0248, 0.4693, 0.4655



Tritanopia

19.8069, 0.6346, 0.3343

Trichromacy



Original Color

19.6518, 0.6378, 0.3318

Protanomaly

15.7020, 0.5417, 0.3942

Deuteranomaly

16.2833, 0.5641, 0.3903

Tritanomaly

19.6657, 0.6359, 0.3333

Monochromacy



Original Color

19.6518, 0.6378, 0.3318

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.5468, 0.5024, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6518, 0.6378, 0.3318 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(245, 11, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 11, 0)  
}
```

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(245, 11, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 11, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.6518, 0.6378, 0.3318 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(245, 11, 0) }
```

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

```
.border{ border-color:rgb(245, 11, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 11, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 11, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 11, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 11, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6518, 0.6378, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 11, 0) }
```

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

```
.background{ background-color: rgb(245, 11,  
0) }
```

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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