

Converting Colors

$Y_{xy}(19.5980, 0.6387, 0.3311)$

Have a look what the booklet for
Yxy(19.5980, 0.6387, 0.3311)
contains.

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Color

Yxy(19.5644, 0.6386, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	F50700
RGB	245, 7, 0
RGB Percent	96%, 3%, 0%
CMY	0.0392, 0.9726, 0.9996
CMYK	0.00, 0.97, 1.00, 0.04
HSL	2°, 100%, 48%
HSV	2°, 100%, 96%
XYZ	37.7343, 19.5644, 1.7904
YIQ	77.3640, 144.0950, 48.2790

Conversions

Conversions Part 2

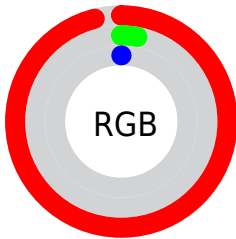
Format	Color
RYB	245, 7, 0
Decimal	16058112
CIELab	51.34, 77.22, 65.25
CIELCh	51, 101.094, 40.197
Yxy	19.5644, 0.6386, 0.3311
Android (android.graphics.Color)	4294248192 (0xFFFF50700)
YUV	77.3640, -38.1405, 147.0168
Hunter-Lab	44.2317, 74.8740, 28.5622

Details

The Yxy color **19.5644, 0.6386, 0.3311** 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 **67.8063, 0.2222, 0.3200**, and the grayscale version is **7.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9312, 0.5534, 0.3586**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5633, 0.6386, 0.3311**, and if you desaturate by 10%, it is **20.4521, 0.6221, 0.3321**.

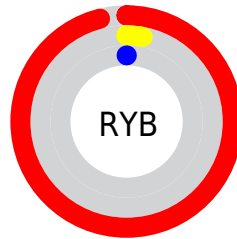
Distribution



Red (96%)

Green (3%)

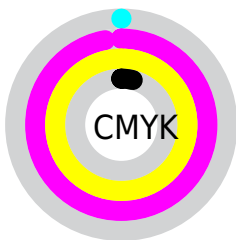
Blue (0%)



Red (96%)

Yellow (3%)

Blue (0%)

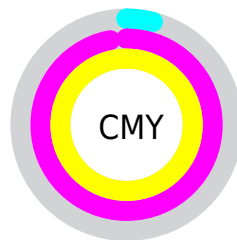


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (97%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5644, 0.6386, 0.3311 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 19.5644, 0.6386, 0.3311 by changing the saturation by 10% instead.


 19.5644, 0.6386,
0.3311


 19.5644, 0.6386,
0.3311


 249.5471, 0.4707,
0.3584


 12.0788, 0.6749,
0.3141


 42.6857, 0.5813,
0.3494


 6.7974, 0.7134,
0.2866


 59.0901, 0.5582,
0.3538


 3.3357, 0.7549,
0.2451

 79.2363, 0.5383,
0.3564

 1.3094, 0.8117,
0.1883

 103.5086, 0.5209,
0.3579

 0.1485, 0.9473,
0.0527

 132.2914, 0.5059,
0.3586


 0.0000, 1.0000,
0.0000

 165.9692, 0.4927,

 0.0000, 0.0000,


0.3588

0.0000

 204.9263, 0.4810,
0.3587

 19.5644, 0.6386,
0.3311


 19.5644, 0.6386,
0.3311


 19.5633, 0.6386,
0.3311

 20.4521, 0.6221,
0.3321

 22.3326, 0.5902,
0.3331

 25.4128, 0.5466,
0.3336

 29.8476, 0.4989,
0.3336

 35.7688, 0.4533,
0.3331

■ 43.2924, 0.4131,
0.3323

■ 52.5231, 0.3795,
0.3315

■ 63.5567, 0.3522,
0.3306

■ 76.4818, 0.3302,
0.3298

Harmonies

Analogous

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



19.5644, 0.5811, 0.2525



19.5644, 0.6386, 0.3311



19.5644, 0.5705, 0.4295

Triad

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



19.5644, 0.6386, 0.3311



19.5644, 0.1729, 0.5987



19.5644, 0.1249, 0.1098

Complementary

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



19.5644, 0.6386, 0.3311



67.8063, 0.2222, 0.3200

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.



19.5644, 0.0795, 0.1218



19.5644, 0.6386, 0.3311



19.5644, 0.0917, 0.3397

Square

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



19.5644, 0.6386, 0.3311



19.5644, 0.2985, 0.6742



19.5644, 0.0680, 0.1810



19.5644, 0.2247, 0.1287

Rectangle

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



19.5644, 0.6386, 0.3311



19.5644, 0.4864, 0.5136



19.5644, 0.0680, 0.1810



19.5644, 0.1050, 0.1101

Sweetspot

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



19.5657, 0.6386, 0.3311



57.4018, 0.3798, 0.3315



25.7621, 0.3252, 0.1565



11.3237, 0.3933, 0.3318



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.



19.5657, 0.6386, 0.3311



21.4159, 0.6387, 0.3311



34.4986, 0.5382, 0.4108



16.5572, 0.3293, 0.3297



10.5717, 0.6381, 0.3316



0.9550, 0.6329, 0.3356

Inverse Universe

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



67.8063, 0.2222, 0.3200



74.2437, 0.2222, 0.3200



19.6620, 0.1748, 0.1493



18.6730, 0.2981, 0.3283



36.5619, 0.2223, 0.3201



3.2382, 0.2226, 0.3213

Previews

White Background



This preview shows how the Yxy color 19.5644, 0.6386, 0.3311 looks on a white background.

Color Contrast Check

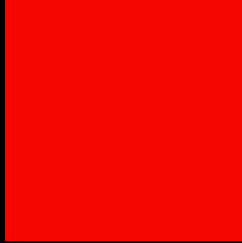
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5644, 0.6386, 0.3311 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 19.5644, 0.6386, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 19.5644, 0.6386, 0.3311.

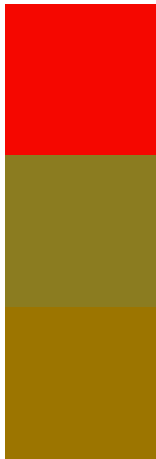


This preview shows how white text looks on a background with the Yxy color 19.5644, 0.6386, 0.3311.

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

19.5644, 0.6386, 0.3311

Protanopia

20.0086, 0.4273, 0.4719

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.6675, 0.6342, 0.3347

Trichromacy



Original Color

19.5644, 0.6386, 0.3311

Protanomaly

15.4003, 0.5448, 0.3915

Deuteranomaly

15.9991, 0.5671, 0.3879

Tritanomaly

19.6340, 0.6362, 0.3330

Monochromacy



Original Color

19.5644, 0.6386, 0.3311

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.0810, 0.5075, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5644, 0.6386, 0.3311 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, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 7, 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, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 7, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.5644, 0.6386, 0.3311 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, 7, 0) }
```

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

```
.border{ border-color:rgb(245, 7, 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, 7, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(245, 7, 0); box-shadow:4px  
4px 4px 4px rgb(245, 7, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5644, 0.6386, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 7, 0) }
```

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

```
.background{ background-color: rgb(245, 7,  
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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