

Converting Colors

$Yxy(19.9073, 0.6394, 0.3305)$

Have a look what the booklet for
Yxy(19.9073, 0.6394, 0.3305)
contains.

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Color

Yxy(19.8393, 0.6395, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	F70300
RGB	247, 3, 0
RGB Percent	97%, 1%, 0%
CMY	0.0314, 0.9877, 1.0000
CMYK	0.00, 0.99, 1.00, 0.03
HSL	1°, 100%, 48%
HSV	1°, 100%, 97%
XYZ	38.3880, 19.8393, 1.8008
YIQ	75.6140, 146.3870, 50.7950

Conversions

Conversions Part 2

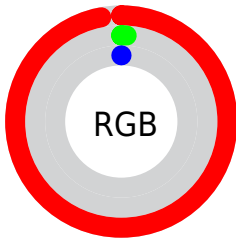
Format	Color
RYB	247, 3, 0
Decimal	16188160
CIELab	51.66, 77.98, 65.69
CIElCh	52, 101.957, 40.112
Yxy	19.8393, 0.6395, 0.3305
Android (android.graphics.Color)	4294378240 (0xFF70300)
YUV	75.6140, -37.2777, 150.3055
Hunter-Lab	44.5413, 75.8931, 28.7818

Details

The Yxy color **19.8393, 0.6395, 0.3305** 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 **71.3308, 0.2236, 0.3248**, and the grayscale version is **7.2171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7499, 0.5543, 0.3577**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8410, 0.6394, 0.3305**, and if you desaturate by 10%, it is **20.6498, 0.6237, 0.3308**.

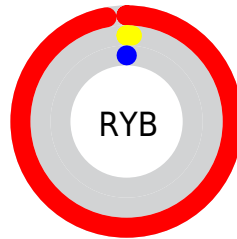
Distribution



Red (97%)

Green (1%)

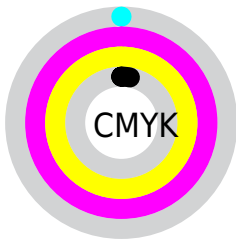
Blue (0%)



Red (97%)

Yellow (1%)

Blue (0%)

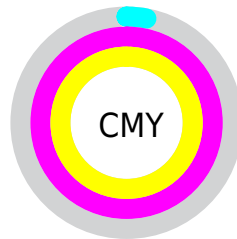


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (99%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8393, 0.6395, 0.3305 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 19.8393, 0.6395, 0.3305 by changing the saturation by 10% instead.


 19.8393, 0.6395,
0.3305


 19.8393, 0.6395,
0.3305


 251.0438, 0.4717,
0.3582


 12.2783, 0.6756,
0.3135


 43.1476, 0.5824,
0.3490


 6.9335, 0.7139,
0.2861


 59.6637, 0.5593,
0.3534

 3.4205, 0.7551,
0.2449

 79.9335, 0.5393,
0.3561

 1.3550, 0.8114,
0.1886

 104.3416, 0.5220,
0.3576

 0.1832, 0.9382,
0.0618

 133.2723, 0.5069,
0.3584


 0.0000, 1.0000,
0.0000


 167.1099, 0.4937,


 0.0000, 0.0000,

0.3586


0.0000

 206.2390, 0.4820,
0.3585


 19.8393, 0.6395,
0.3305

 19.8393, 0.6395,
0.3305


 19.8410, 0.6394,
0.3305

 20.6498, 0.6237,
0.3308

 22.4457, 0.5925,
0.3313

 25.4780, 0.5490,
0.3315

 29.9149, 0.5009,
0.3314

 35.8990, 0.4547,
0.3311

■ 43.5548, 0.4140,
0.3307

■ 52.9947, 0.3801,
0.3302

■ 64.3210, 0.3525,
0.3298

■ 77.6284, 0.3304,
0.3294

Harmonies

Analogous

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



19.8393, 0.5816, 0.2520



19.8393, 0.6395, 0.3305



19.8393, 0.5711, 0.4289

Triad

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



19.8393, 0.6395, 0.3305



19.8393, 0.1726, 0.6005



19.8393, 0.1242, 0.1093

Complementary

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



19.8393, 0.6395, 0.3305



71.3308, 0.2236, 0.3248

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.



19.8393, 0.0789, 0.1214



19.8393, 0.6395, 0.3305



19.8393, 0.0912, 0.3402

Square

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



19.8393, 0.6395, 0.3305



19.8393, 0.2984, 0.6752



19.8393, 0.0676, 0.1808



19.8393, 0.2240, 0.1281

Rectangle

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



19.8393, 0.6395, 0.3305



19.8393, 0.4868, 0.5132



19.8393, 0.0676, 0.1808



19.8393, 0.1044, 0.1097

Sweetspot

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



19.8410, 0.6394, 0.3305



56.9238, 0.3802, 0.3302



26.4879, 0.3209, 0.1542



11.2158, 0.3938, 0.3304



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.



19.8410, 0.6394, 0.3305



21.3303, 0.6395, 0.3305



34.0624, 0.5434, 0.4068



16.5162, 0.3294, 0.3294



10.5092, 0.6392, 0.3307



0.9353, 0.6368, 0.3326

Inverse Universe

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



71.3308, 0.2236, 0.3248



76.6921, 0.2236, 0.3248



21.0044, 0.1763, 0.1548



18.7196, 0.2981, 0.3287



37.7441, 0.2236, 0.3249



3.3287, 0.2237, 0.3254

Previews

White Background



This preview shows how the Yxy color 19.8393, 0.6395, 0.3305 looks on a white background.

Color Contrast Check

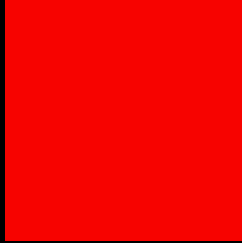
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8393, 0.6395, 0.3305 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 19.8393, 0.6395, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 19.8393, 0.6395, 0.3305.



This preview shows how white text looks on a background with the Yxy color 19.8393, 0.6395, 0.3305.

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

19.8393, 0.6395, 0.3305

Protanopia

20.3470, 0.4273, 0.4723

Deuteranopia

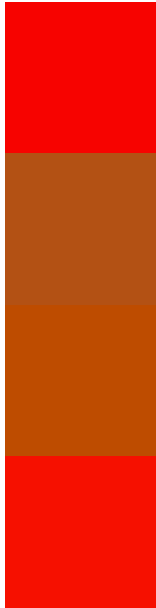
20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.8393, 0.6395, 0.3305

Protanomaly

15.5191, 0.5457, 0.3910

Deuteranomaly

16.1160, 0.5700, 0.3856

Tritanomaly

19.9634, 0.6366, 0.3328

Monochromacy



Original Color

19.8393, 0.6395, 0.3305

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.8979, 0.5122, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8393, 0.6395, 0.3305 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, 3, 0)` looks like.

```
.text, #text, p{  
  color:rgb(247, 3, 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(247, 3, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 3, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8393, 0.6395, 0.3305 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, 3, 0) }
```

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

```
.border{ border-color:rgb(247, 3, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 3, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 3, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(247, 3, 0); box-shadow:4px  
4px 4px 4px rgb(247, 3, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8393, 0.6395, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 3, 0) }
```

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

```
.background{ background-color: rgb(247, 3,  
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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