

Converting Colors

$Y_{xy}(20.9045, 0.6390, 0.3309)$

Have a look what the booklet for
Yxy(20.9045, 0.6390, 0.3309)
contains.

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Color

Yxy(20.8257, 0.6389, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	FC0600
RGB	252, 6, 0
RGB Percent	99%, 2%, 0%
CMY	0.0118, 0.9762, 1.0000
CMYK	0.00, 0.98, 1.00, 0.01
HSL	1°, 100%, 49%
HSV	1°, 100%, 99%
XYZ	40.2102, 20.8257, 1.9007
YIQ	78.8700, 148.5420, 50.2860

Conversions

Conversions Part 2

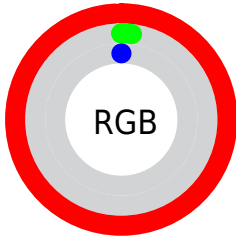
Format	Color
RYB	252, 6, 0
Decimal	16516608
CIELab	52.76, 78.98, 66.67
CIELCh	53, 103.354, 40.168
Yxy	20.8257, 0.6389, 0.3309
Android (android.graphics.Color)	4294706688 (0xFFFC0600)
YUV	78.8700, -38.8829, 151.8350
Hunter-Lab	45.6352, 77.4187, 29.4752

Details

The Yxy color **20.8257, 0.6389, 0.3309** 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 **72.9053, 0.2226, 0.3213**, and the grayscale version is **7.8550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1149, 0.5524, 0.3595**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.8268, 0.6389, 0.3309**, and if you desaturate by 10%, it is **21.7287, 0.6229, 0.3317**.

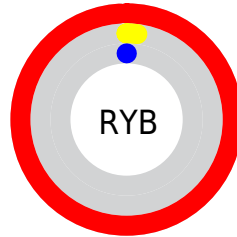
Distribution



Red (99%)

Green (2%)

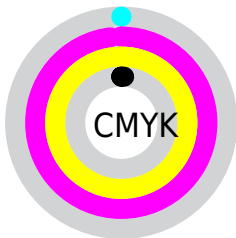
Blue (0%)



Red (99%)

Yellow (2%)

Blue (0%)

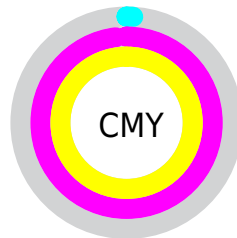


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (98%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8257, 0.6389, 0.3309 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 20.8257, 0.6389, 0.3309 by changing the saturation by 10% instead.


 20.8257, 0.6389,
0.3309


 20.8257, 0.6389,
0.3309


 256.3507, 0.4727,
0.3584


 12.9967, 0.6740,
0.3141


 44.7973, 0.5826,
0.3491

 7.4262, 0.7122,
0.2878


 61.7086, 0.5598,
0.3535

 3.7301, 0.7522,
0.2478

 82.4161, 0.5400,
0.3562

 1.5237, 0.8066,
0.1934

 107.3042, 0.5229,
0.3577

 0.3054, 0.9105,
0.0895

 136.7574, 0.5078,
0.3585


 0.0000, 1.0000,
0.0000

 171.1599, 0.4947,

 0.0000, 0.0000,


0.3587

0.0000


 210.8962, 0.4830,
0.3587


 20.8257, 0.6389,
0.3309

 20.8257, 0.6389,
0.3309


 20.8268, 0.6389,
0.3309

 21.7287, 0.6229,
0.3317

 23.6858, 0.5913,
0.3326

 26.9269, 0.5478,
0.3330

 31.6212, 0.5000,
0.3330

 37.9122, 0.4541,
0.3325

■ 45.9262, 0.4137,
0.3319

■ 55.7769, 0.3799,
0.3311

■ 67.5680, 0.3524,
0.3304

■ 81.3960, 0.3303,
0.3297

Harmonies

Analogous

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



20.8257, 0.5813, 0.2523



20.8257, 0.6389, 0.3309



20.8257, 0.5707, 0.4293

Triad

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



20.8257, 0.6389, 0.3309



20.8257, 0.1728, 0.5993



20.8257, 0.1246, 0.1096

Complementary

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



20.8257, 0.6389, 0.3309



72.9053, 0.2226, 0.3213

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.



20.8257, 0.0793, 0.1217



20.8257, 0.6389, 0.3309



20.8257, 0.0915, 0.3399

Square

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



20.8257, 0.6389, 0.3309



20.8257, 0.2984, 0.6744



20.8257, 0.0679, 0.1809



20.8257, 0.2244, 0.1285

Rectangle

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



20.8257, 0.6389, 0.3309



20.8257, 0.4865, 0.5135



20.8257, 0.0679, 0.1809



20.8257, 0.1048, 0.1100

Sweetspot

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



20.8270, 0.6389, 0.3309



57.2739, 0.3799, 0.3311



27.4604, 0.3252, 0.1565



11.2948, 0.3934, 0.3315



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.



20.8270, 0.6389, 0.3309



21.3930, 0.6389, 0.3309



36.7150, 0.5385, 0.4106



17.2920, 0.3294, 0.3296



10.8789, 0.6384, 0.3313



1.0304, 0.6342, 0.3346

Inverse Universe

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



72.9053, 0.2226, 0.3213



74.8919, 0.2226, 0.3213



20.8994, 0.1747, 0.1490



19.5328, 0.2980, 0.3284



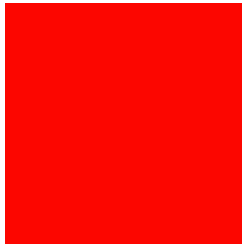
38.0106, 0.2226, 0.3214



3.5425, 0.2229, 0.3223

Previews

White Background



This preview shows how the Yxy color 20.8257, 0.6389, 0.3309 looks on a white background.

Color Contrast Check

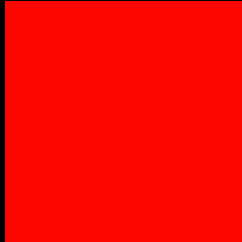
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8257, 0.6389, 0.3309 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 20.8257, 0.6389, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 20.8257, 0.6389, 0.3309.



This preview shows how white text looks on a background with the Yxy color 20.8257, 0.6389, 0.3309.

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

20.8257, 0.6389, 0.3309

Protanopia

21.1282, 0.4281, 0.4713

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.8257, 0.6389, 0.3309

Protanomaly

16.3079, 0.5454, 0.3909

Deuteranomaly

16.9294, 0.5675, 0.3876

Tritanomaly

20.9101, 0.6365, 0.3328

Monochromacy



Original Color

20.8257, 0.6389, 0.3309

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.4371, 0.5110, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8257, 0.6389, 0.3309 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(252, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 6, 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(252, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 6, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8257, 0.6389, 0.3309 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(252, 6, 0) }
```

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

```
.border{ border-color:rgb(252, 6, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 6, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(252, 6, 0); box-shadow:4px  
4px 4px 4px rgb(252, 6, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8257, 0.6389, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 6, 0) }
```

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

```
.background{ background-color: rgb(252, 6,  
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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