

Converting Colors

$Y_{xy}(20.9576, 0.6385, 0.3312)$

Have a look what the booklet for
Yxy(20.9576, 0.6385, 0.3312)
contains.

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Color

Yxy(20.8691, 0.6385, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	FC0800
RGB	252, 8, 0
RGB Percent	99%, 3%, 0%
CMY	0.0118, 0.9684, 0.9998
CMYK	0.00, 0.97, 1.00, 0.01
HSL	2°, 100%, 49%
HSV	2°, 100%, 99%
XYZ	40.2322, 20.8691, 1.9092
YIQ	80.0440, 147.9920, 49.2400

Conversions

Conversions Part 2

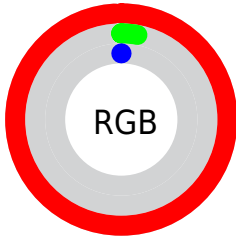
Format	Color
RYB	252, 8, 0
Decimal	16517120
CIELab	52.81, 78.84, 66.67
CIELCh	53, 103.252, 40.220
Yxy	20.8691, 0.6385, 0.3312
Android (android.graphics.Color)	4294707200 (0xFFFC0800)
YUV	80.0440, -39.4617, 150.8054
Hunter-Lab	45.6827, 77.2582, 29.5000

Details

The Yxy color **20.8691, 0.6385, 0.3312** 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 **71.7310, 0.2219, 0.3189**, and the grayscale version is **8.0955, 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 **20.8692, 0.6385, 0.3312**, and if you desaturate by 10%, it is **21.8244, 0.6221, 0.3323**.

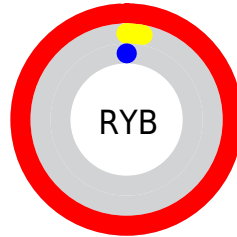
Distribution



Red (99%)

Green (3%)

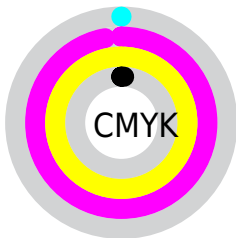
Blue (0%)



Red (99%)

Yellow (3%)

Blue (0%)

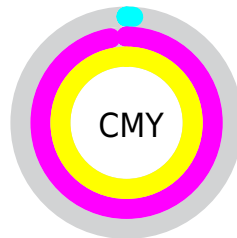


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (97%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8691, 0.6385, 0.3312 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 20.8691, 0.6385, 0.3312 by changing the saturation by 10% instead.


 20.8691, 0.6385,
0.3312


 20.8691, 0.6385,
0.3312


 256.5820, 0.4725,
0.3585


 13.0284, 0.6735,
0.3145


 44.8696, 0.5823,
0.3493

 7.4481, 0.7118,
0.2882


 61.7981, 0.5595,
0.3537

 3.7439, 0.7517,
0.2483

 82.5247, 0.5398,
0.3563

 1.5313, 0.8060,
0.1940

 107.4337, 0.5226,
0.3578

 0.3106, 0.9092,
0.0908

 136.9095, 0.5076,
0.3586


 0.0000, 1.0000,
0.0000


 171.3366, 0.4945,

 0.0000, 0.0000,

0.3588


0.0000

 211.0993, 0.4828,
0.3588


 20.8691, 0.6385,
0.3312


 20.8691, 0.6385,
0.3312


 20.8692, 0.6385,
0.3312

 21.8244, 0.6221,
0.3323

 23.8416, 0.5902,
0.3336

 27.1352, 0.5467,
0.3342

 31.8692, 0.4991,
0.3341

 38.1829, 0.4534,
0.3335

■ 46.1995, 0.4132,
0.3327

■ 56.0299, 0.3796,
0.3317

■ 67.7754, 0.3523,
0.3308

■ 81.5302, 0.3303,
0.3299

Harmonies

Analogous

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



20.8691, 0.5811, 0.2526



20.8691, 0.6385, 0.3312



20.8691, 0.5704, 0.4296

Triad

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



20.8691, 0.6385, 0.3312



20.8691, 0.1729, 0.5984



20.8691, 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.



20.8691, 0.6385, 0.3312



71.7310, 0.2219, 0.3189

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.



20.8691, 0.0795, 0.1219



20.8691, 0.6385, 0.3312



20.8691, 0.0917, 0.3395

Square

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



20.8691, 0.6385, 0.3312



20.8691, 0.2984, 0.6740



20.8691, 0.0681, 0.1810



20.8691, 0.2248, 0.1287

Rectangle

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



20.8691, 0.6385, 0.3312



20.8691, 0.4863, 0.5137



20.8691, 0.0681, 0.1810



20.8691, 0.1051, 0.1102

Sweetspot

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



20.8704, 0.6385, 0.3312



57.5132, 0.3798, 0.3317



27.4617, 0.3252, 0.1565



11.3489, 0.3931, 0.3322



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.



20.8704, 0.6385, 0.3312



21.4357, 0.6385, 0.3312



36.7213, 0.5385, 0.4106



17.3134, 0.3293, 0.3298



10.9105, 0.6378, 0.3318



1.0406, 0.6324, 0.3361

Inverse Universe

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



71.7310, 0.2219, 0.3189



73.6830, 0.2219, 0.3188



20.9057, 0.1748, 0.1491



19.5084, 0.2980, 0.3282



37.4082, 0.2220, 0.3190



3.4935, 0.2223, 0.3203

Previews

White Background



This preview shows how the Yxy color 20.8691, 0.6385, 0.3312 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 20.8691, 0.6385, 0.3312 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 20.8691, 0.6385, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 20.8691, 0.6385, 0.3312.



This preview shows how white text looks on a background with the Yxy color 20.8691, 0.6385, 0.3312.

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

20.8691, 0.6385, 0.3312

Protanopia

21.3878, 0.4269, 0.4726

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.8691, 0.6385, 0.3312



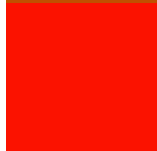
Protanomaly

16.4621, 0.5439, 0.3921



Deuteranomaly

17.0748, 0.5660, 0.3888



Tritanomaly

20.9418, 0.6362, 0.3331

Monochromacy



Original Color

20.8691, 0.6385, 0.3312



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.7170, 0.5079, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8691, 0.6385, 0.3312 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, 8, 0)` looks like.

```
.text, #text, p{  
  color:rgb(252, 8, 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, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 8, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8691, 0.6385, 0.3312 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, 8, 0) }
```

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

```
.border{ border-color:rgb(252, 8, 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, 8, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(252, 8, 0); box-shadow:4px  
4px 4px 4px rgb(252, 8, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8691, 0.6385, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 8, 0) }
```

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

```
.background{ background-color: rgb(252, 8,  
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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