

Converting Colors

$Y_{xy}(20.7939, 0.6382, 0.3290)$

Have a look what the booklet for
Yxy(20.7939, 0.6382, 0.3290)
contains.

Yxy(20.7086, 0.6384, 0.3290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7086, 0.6384, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	FC0006
RGB	252, 0, 6
RGB Percent	99%, 0%, 2%
CMY	0.0117, 1.0000, 0.9764
CMYK	0.00, 1.00, 0.98, 0.01
HSL	359°, 100%, 49%
HSV	359°, 100%, 99%
XYZ	40.1835, 20.7086, 2.0520
YIQ	76.0320, 148.2660, 55.2900

Conversions

Conversions Part 2

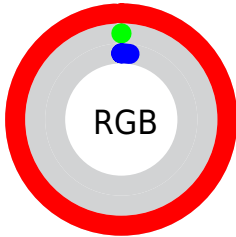
Format	Color
RYB	252, 0, 6
Decimal	16515078
CIELab	52.63, 79.45, 65.10
CIELCh	53, 102.718, 39.331
Yxy	20.7086, 0.6384, 0.3290
Android (android.graphics.Color)	4294705158 (0xFFFC0006)
YUV	76.0320, -34.5258, 154.3239
Hunter-Lab	45.5067, 77.9830, 29.1812

Details

The Yxy color **20.7086, 0.6384, 0.3290** 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 **76.2876, 0.2267, 0.3362**, and the grayscale version is **7.2789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9735, 0.5500, 0.3561**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7124, 0.6384, 0.3290**, and if you desaturate by 10%, it is **21.5001, 0.6219, 0.3282**.

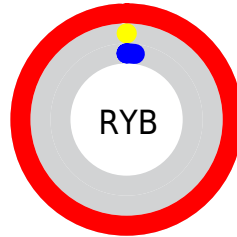
Distribution



Red (99%)

Green (0%)

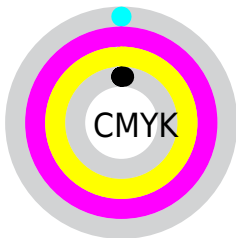
Blue (2%)



Red (99%)

Yellow (0%)

Blue (2%)

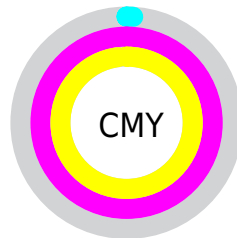


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7086, 0.6384, 0.3290 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 20.7086, 0.6384, 0.3290 by changing the saturation by 10% instead.


 20.7086, 0.6384,
0.3290


 20.7086, 0.6384,
0.3290


 255.7258, 0.4715,
0.3567


 12.9112, 0.6737,
0.3121


 44.6021, 0.5815,
0.3471

 7.3674, 0.7137,
0.2863


 61.4669, 0.5586,
0.3515

 3.6929, 0.7539,
0.2461

 82.1229, 0.5387,
0.3542

 1.5033, 0.8085,
0.1915

 106.9546, 0.5215,
0.3558

 0.2911, 0.9142,
0.0858

 136.3464, 0.5065,
0.3566

 0.0000, 1.0000,
0.0000

 170.6826, 0.4934,

 0.0000, 0.0000,

0.3569


0.0000

 210.3476, 0.4818,
0.3569

 20.7086, 0.6384,
0.3290

 20.7086, 0.6384,
0.3290

 20.7124, 0.6384,
0.3290

 21.5001, 0.6219,
0.3282

 23.2930, 0.5898,
0.3270

 26.3905, 0.5460,
0.3264

 30.9773, 0.4981,
0.3262

 37.2090, 0.4523,
0.3263

■ 45.2212, 0.4122,
0.3267

■ 55.1357, 0.3788,
0.3273

■ 67.0636, 0.3517,
0.3279

■ 81.1072, 0.3300,
0.3285

Harmonies

Analogous

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



20.7086, 0.5764, 0.2506



20.7086, 0.6384, 0.3290



20.7086, 0.5735, 0.4265

Triad

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



20.7086, 0.6384, 0.3290



20.7086, 0.1766, 0.6039



20.7086, 0.1233, 0.1100

Complementary

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



20.7086, 0.6384, 0.3290



76.2876, 0.2267, 0.3362

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.



20.7086, 0.0791, 0.1231



20.7086, 0.6384, 0.3290



20.7086, 0.0935, 0.3465

Square

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



20.7086, 0.6384, 0.3290



20.7086, 0.3028, 0.6716



20.7086, 0.0685, 0.1842



20.7086, 0.2210, 0.1280

Rectangle

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



20.7086, 0.6384, 0.3290



20.7086, 0.4903, 0.5097



20.7086, 0.0685, 0.1842



20.7086, 0.1039, 0.1107

Sweetspot

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



20.7124, 0.6384, 0.3290



56.6087, 0.3789, 0.3273



26.1947, 0.3125, 0.1495



11.1448, 0.3922, 0.3270



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.



20.7124, 0.6384, 0.3290



21.2733, 0.6384, 0.3290



33.5643, 0.5534, 0.3988



17.2319, 0.3290, 0.3285



10.7904, 0.6376, 0.3286



1.0017, 0.6316, 0.3253

Inverse Universe

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



20.7124, 0.6384, 0.3290



21.2733, 0.6384, 0.3290



24.1935, 0.1795, 0.1660



17.2319, 0.3290, 0.3285



10.7904, 0.6376, 0.3286



1.0017, 0.6316, 0.3253

Previews

White Background



This preview shows how the Yxy color 20.7086, 0.6384, 0.3290 looks on a white background.

Color Contrast Check

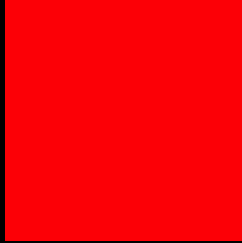
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7086, 0.6384, 0.3290 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 20.7086, 0.6384, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 20.7086, 0.6384, 0.3290.



This preview shows how white text looks on a background with the Yxy color 20.7086, 0.6384, 0.3290.

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

20.7086, 0.6384, 0.3290

Protanopia

21.1282, 0.4281, 0.4713

Deuteranopia

21.1483, 0.4695, 0.4654



Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.7086, 0.6384, 0.3290



Protanomaly

16.0140, 0.5472, 0.3873



Deuteranomaly

16.6496, 0.5697, 0.3847



Tritanomaly

20.8553, 0.6364, 0.3321

Monochromacy



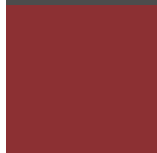
Original Color

20.7086, 0.6384, 0.3290



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.9284, 0.5110, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7086, 0.6384, 0.3290 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, 0, 6)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 6)  
}
```

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, 0, 6) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 20.7086, 0.6384, 0.3290 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, 0, 6) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 20.7086, 0.6384, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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