

Converting Colors

$Y_{xy}(20.7895, 0.6388, 0.3293)$

Have a look what the booklet for
Yxy(20.7895, 0.6388, 0.3293)
contains.

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Color

Yxy(20.7042, 0.6389, 0.3293)

Conversions

Conversions Part 1

Format	Color
Hex	FC0004
RGB	252, 0, 4
RGB Percent	99%, 0%, 2%
CMY	0.0117, 1.0000, 0.9836
CMYK	0.00, 1.00, 0.98, 0.01
HSL	359°, 100%, 49%
HSV	359°, 100%, 99%
XYZ	40.1698, 20.7042, 1.9994
YIQ	75.8040, 148.9080, 54.6680

Conversions

Conversions Part 2

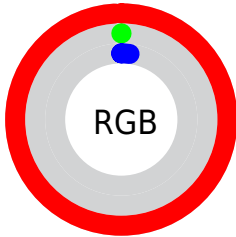
Format	Color
RYB	252, 0, 4
Decimal	16515076
CIELab	52.62, 79.43, 65.55
CIELCh	53, 102.987, 39.533
Yxy	20.7042, 0.6389, 0.3293
Android (android.graphics.Color)	4294705156 (0xFFFC0004)
YUV	75.8040, -35.3994, 154.5239
Hunter-Lab	45.5019, 77.9545, 29.2461

Details

The Yxy color **20.7042, 0.6389, 0.3293** 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 **76.3914, 0.2261, 0.3339**, and the grayscale version is **7.2393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9627, 0.5509, 0.3568**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.7060, 0.6389, 0.3293**, and if you desaturate by 10%, it is **21.4892, 0.6229, 0.3287**.

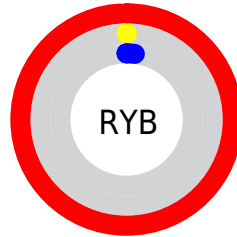
Distribution



Red (99%)

Green (0%)

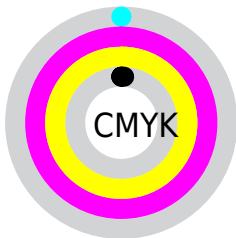
Blue (2%)



Red (99%)

Yellow (0%)

Blue (2%)

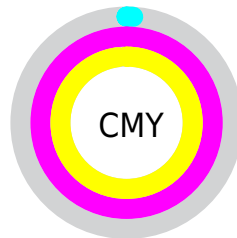


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7042, 0.6389, 0.3293 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 20.7042, 0.6389, 0.3293 by changing the saturation by 10% instead.


 20.7042, 0.6389,
0.3293


 20.7042, 0.6389,
0.3293


 255.7023, 0.4720,
0.3571


 12.9080, 0.6742,
0.3124


 44.5947, 0.5821,
0.3475


 7.3652, 0.7137,
0.2863


 61.4578, 0.5592,
0.3519

 3.6915, 0.7539,
0.2461

 82.1119, 0.5393,
0.3546

 1.5025, 0.8085,
0.1915

 106.9415, 0.5221,
0.3562

 0.2905, 0.9142,
0.0858

 136.3309, 0.5071,
0.3570


 0.0000, 1.0000,
0.0000

 170.6646, 0.4939,

 0.0000, 0.0000,


0.3574


0.0000

 210.3269, 0.4823,
0.3573

 20.7042, 0.6389,
0.3293


 20.7042, 0.6389,
0.3293


 20.7060, 0.6389,
0.3293

 21.4892, 0.6229,
0.3287

 23.2765, 0.5912,
0.3279

 26.3688, 0.5475,
0.3274

 30.9516, 0.4994,
0.3272

 37.1805, 0.4534,
0.3273

■ 45.1918, 0.4130,
0.3275

■ 55.1073, 0.3793,
0.3279

■ 67.0384, 0.3520,
0.3282

■ 81.0877, 0.3301,
0.3286

Harmonies

Analogous

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



20.7042, 0.5780, 0.2508



20.7042, 0.6389, 0.3293



20.7042, 0.5729, 0.4271

Triad

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



20.7042, 0.6389, 0.3293



20.7042, 0.1754, 0.6034



20.7042, 0.1234, 0.1097

Complementary

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



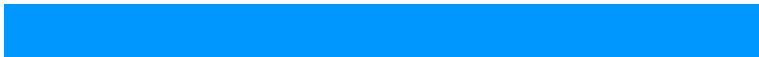
20.7042, 0.6389, 0.3293



76.3914, 0.2261, 0.3339

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.



20.7042, 0.0789, 0.1226



20.7042, 0.6389, 0.3293



20.7042, 0.0928, 0.3448

Square

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



20.7042, 0.6389, 0.3293



20.7042, 0.3016, 0.6728



20.7042, 0.0681, 0.1832



20.7042, 0.2217, 0.1279

Rectangle

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



20.7042, 0.6389, 0.3293



20.7042, 0.4894, 0.5106



20.7042, 0.0681, 0.1832



20.7042, 0.1039, 0.1103

Sweetspot

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



20.7060, 0.6389, 0.3293



56.5861, 0.3794, 0.3279



26.9499, 0.3167, 0.1518



11.1397, 0.3928, 0.3277



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.



20.7060, 0.6389, 0.3293



21.2693, 0.6389, 0.3293



34.5676, 0.5485, 0.4027



17.2299, 0.3292, 0.3287



10.7874, 0.6384, 0.3290



1.0007, 0.6341, 0.3267

Inverse Universe

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



20.7060, 0.6389, 0.3293



21.2693, 0.6389, 0.3293



23.0482, 0.1779, 0.1602



17.2299, 0.3292, 0.3287



10.7874, 0.6384, 0.3290



1.0007, 0.6341, 0.3267

Previews

White Background



This preview shows how the Yxy color 20.7042, 0.6389, 0.3293 looks on a white background.

Color Contrast Check

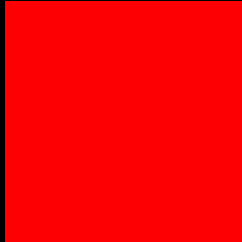
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7042, 0.6389, 0.3293 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 20.7042, 0.6389, 0.3293

Background



This preview shows how black text looks on a background with the Yxy color 20.7042, 0.6389, 0.3293.



This preview shows how white text looks on a background with the Yxy color 20.7042, 0.6389, 0.3293.

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

20.7042, 0.6389, 0.3293

Protanopia

21.1282, 0.4281, 0.4713

Tritanopia

20.9368, 0.6345, 0.3344

Trichromacy



Original Color

20.7042, 0.6389, 0.3293

Protanomaly

16.0140, 0.5472, 0.3873

Tritanomaly

20.8553, 0.6364, 0.3321

Monochromacy



Original Color

20.7042, 0.6389, 0.3293

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.9196, 0.5132, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7042, 0.6389, 0.3293 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 20.7042, 0.6389, 0.3293 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, 4) }
```

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

```
.border{ border-color:rgb(252, 0, 4) }
```

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, 4) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 20.7042, 0.6389, 0.3293 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, 4) }
```

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

```
.background{ background-color: rgb(252, 0,  
4) }
```

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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