

Converting Colors

$Y_{xy}(20.3125, 0.6392, 0.3295)$

Have a look what the booklet for
Yxy(20.3125, 0.6392, 0.3295)
contains.

Yxy(20.3306, 0.6392, 0.3295)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.3306, 0.6392, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	FA0003
RGB	250, 0, 3
RGB Percent	98%, 0%, 1%
CMY	0.0196, 0.9996, 0.9883
CMYK	0.00, 1.00, 0.99, 0.02
HSL	359°, 100%, 49%
HSV	359°, 100%, 98%
XYZ	39.4395, 20.3306, 1.9313
YIQ	75.0920, 148.0370, 53.9330

Conversions

Conversions Part 2

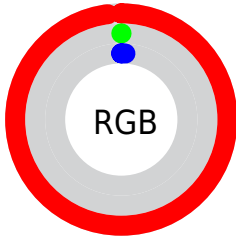
Format	Color
RYB	250, 0, 3
Decimal	16384003
CIELab	52.21, 78.93, 65.44
CIELCh	52, 102.533, 39.663
Yxy	20.3306, 0.6392, 0.3295
Android (android.graphics.Color)	4294574083 (0xFFFA0003)
YUV	75.0920, -35.5414, 153.3943
Hunter-Lab	45.0895, 77.2264, 29.0231

Details

The Yxy color **20.3306, 0.6392, 0.3295** 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 **75.0912, 0.2256, 0.3323**, and the grayscale version is **7.1106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7707, 0.5526, 0.3565**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.3293, 0.6392, 0.3295**, and if you desaturate by 10%, it is **21.1053, 0.6234, 0.3291**.

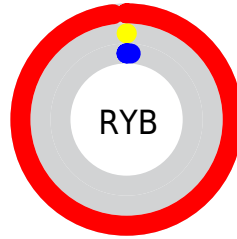
Distribution



Red (98%)

Green (0%)

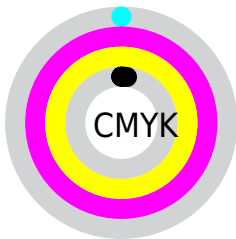
Blue (1%)



Red (98%)

Yellow (0%)

Blue (1%)

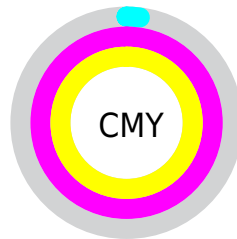


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3306, 0.6392, 0.3295 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 20.3306, 0.6392, 0.3295 by changing the saturation by 10% instead.


 20.3306, 0.6392,
0.3295


 20.3306, 0.6392,
0.3295

 253.6993, 0.4718,
0.3574


 12.6356, 0.6748,
0.3125


 43.9708, 0.5822,
0.3478

 7.1781, 0.7140,
0.2860


 60.6847, 0.5592,
0.3523

 3.5737, 0.7547,
0.2453


 81.1738, 0.5393,
0.3550

 1.4381, 0.8100,
0.1900

 105.8223, 0.5220,
0.3565

 0.2445, 0.9238,
0.0762

 135.0147, 0.5069,
0.3573


 0.0000, 1.0000,
0.0000


 169.1354, 0.4937,

 0.0000, 0.0000,

0.3576


0.0000

 208.5688, 0.4821,
0.3576


 20.3306, 0.6392,
0.3295


 20.3306, 0.6392,
0.3295


 20.3293, 0.6392,
0.3295

 21.1053, 0.6234,
0.3291

 22.8652, 0.5919,
0.3285

 25.9074, 0.5482,
0.3281

 30.4141, 0.5001,
0.3279

 36.5379, 0.4539,
0.3279

■ 44.4125, 0.4133,
0.3281

■ 54.1577, 0.3795,
0.3283

■ 65.8825, 0.3521,
0.3285

■ 79.6879, 0.3301,
0.3288

Harmonies

Analogous

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



20.3306, 0.5790, 0.2510



20.3306, 0.6392, 0.3295



20.3306, 0.5726, 0.4274

Triad

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



20.3306, 0.6392, 0.3295



20.3306, 0.1747, 0.6030



20.3306, 0.1235, 0.1096

Complementary

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



20.3306, 0.6392, 0.3295



75.0912, 0.2256, 0.3323

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.



20.3306, 0.0788, 0.1222



20.3306, 0.6392, 0.3295



20.3306, 0.0923, 0.3438

Square

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



20.3306, 0.6392, 0.3295



20.3306, 0.3008, 0.6735



20.3306, 0.0679, 0.1826



20.3306, 0.2221, 0.1279

Rectangle

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



20.3306, 0.6392, 0.3295



20.3306, 0.4888, 0.5112



20.3306, 0.0679, 0.1826



20.3306, 0.1040, 0.1101

Sweetspot

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



20.3319, 0.6392, 0.3295



56.5702, 0.3797, 0.3283



26.4662, 0.3167, 0.1518



11.1361, 0.3932, 0.3282



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.



20.3319, 0.6392, 0.3295



21.2664, 0.6393, 0.3295



33.9707, 0.5483, 0.4028



17.2285, 0.3292, 0.3288



10.7853, 0.6389, 0.3293



1.0000, 0.6359, 0.3277

Inverse Universe

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



20.3319, 0.6392, 0.3295



21.2664, 0.6393, 0.3295



22.6603, 0.1779, 0.1604



17.2285, 0.3292, 0.3288



10.7853, 0.6389, 0.3293



1.0000, 0.6359, 0.3277

Previews

White Background



This preview shows how the Yxy color 20.3306, 0.6392, 0.3295 looks on a white background.

Color Contrast Check

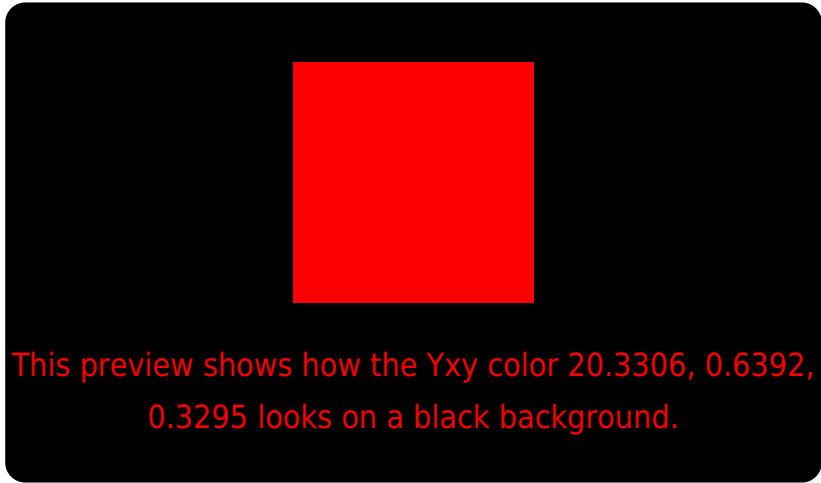
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.3306, 0.6392, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 20.3306, 0.6392, 0.3295.



This preview shows how white text looks on a background with the Yxy color 20.3306, 0.6392, 0.3295.

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

20.3306, 0.6392, 0.3295

Protanopia

20.7823, 0.4281, 0.4710

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.5693, 0.6344, 0.3345

Trichromacy



Original Color

20.3306, 0.6392, 0.3295



Protanomaly

15.6190, 0.5476, 0.3876



Deuteranomaly

16.3775, 0.5709, 0.3843



Tritanomaly

20.4836, 0.6366, 0.3323

Monochromacy



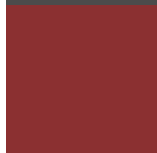
Original Color

20.3306, 0.6392, 0.3295



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.8246, 0.5139, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3306, 0.6392, 0.3295 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(250, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 3)  
}
```

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(250, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 3) }
```

Border

The CSS property to change the border of an element to Yxy 20.3306, 0.6392, 0.3295 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(250, 0, 3) }
```

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

```
.border{ border-color:rgb(250, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(250, 0, 3); box-shadow:4px  
4px 4px 4px rgb(250, 0, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3306, 0.6392, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 3) }
```

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

```
.background{ background-color: rgb(250, 0,  
3) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor