

Converting Colors

$Y_{xy}(22.0501, 0.5805, 0.3772)$

Have a look what the booklet for
Yxy(22.0501, 0.5805, 0.3772)
contains.

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Color

Yxy(22.0338, 0.5800, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	E05300
RGB	224, 83, 0
RGB Percent	88%, 33%, 0%
CMY	0.1215, 0.6745, 1.0000
CMYK	0.00, 0.63, 1.00, 0.12
HSL	22°, 100%, 44%
HSV	22°, 100%, 88%
XYZ	33.8353, 22.0338, 2.4676
YIQ	115.6970, 110.6790, 4.0790

Conversions

Conversions Part 2

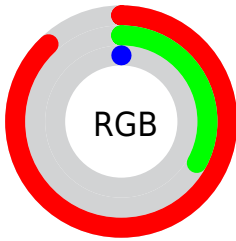
Format	Color
R_{YB}	224, 132, 0
Decimal	14701312
CIE Lab	54.06, 52.37, 64.20
CIE LCh	54, 82.849, 50.796
Yxy	22.0338, 0.5800, 0.3777
Android (android.graphics.Color)	4292891392 (0xFFE05300)
YUV	115.6970, -57.0386, 94.9817
Hunter-Lab	46.9402, 46.5207, 29.7412

Details

The Yxy color **22.0338, 0.5800, 0.3777** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **24.4338, 0.1892, 0.2012**, and the grayscale version is **17.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7958, 0.5087, 0.3952**, and **8.0864, 0.6254, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **22.0352, 0.5800, 0.3777**, and if you desaturate by 10%, it is **24.4762, 0.5557, 0.3867**.

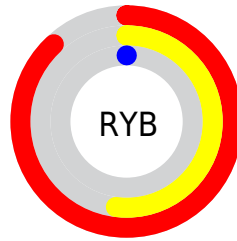
Distribution



Red (88%)

Green (33%)

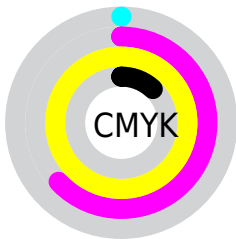
Blue (0%)



Red (88%)

Yellow (52%)

Blue (0%)

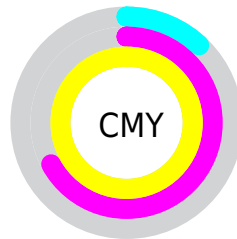


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (67%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0338, 0.5800, 0.3777 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 22.0338, 0.5800, 0.3777 by changing the saturation by 10% instead.


 22.0338, 0.5800,
0.3777


 22.0338, 0.5800,
0.3777


262.7227, 0.4424,
0.3737


 13.8817, 0.6093,
0.3689


 46.8019, 0.5325,
0.3833

 8.0385, 0.6459,
0.3541


 64.1866, 0.5136,
0.3832

 4.1196, 0.6778,
0.3222

 85.4178, 0.4973,
0.3822

 1.7407, 0.7246,
0.2754

 110.8797, 0.4832,
0.3807

 0.4498, 0.8190,
0.1810

 140.9567, 0.4709,
0.3790

 0.0000, 1.0000,
0.0000


 176.0333, 0.4602,


 0.0000, 0.0000,


0.3773

0.0000

 216.4939, 0.4508,
0.3755

 22.0338, 0.5800,
0.3777


 22.0338, 0.5800,
0.3777

 22.0352, 0.5800,
0.3777

 24.4762, 0.5557,
0.3867

 27.4496, 0.5260,
0.3911

 31.0003, 0.4929,
0.3904

 35.1623, 0.4591,
0.3856

 39.9664, 0.4268,
0.3778

■ 45.4407, 0.3973,
0.3684

■ 51.6116, 0.3713,
0.3583

■ 58.5040, 0.3487,
0.3481

■ 66.1414, 0.3293,
0.3383

Harmonies

Analogous

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



22.0338, 0.5617, 0.2979



22.0338, 0.5800, 0.3777



22.0338, 0.5106, 0.4723

Triad

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



22.0338, 0.5800, 0.3777



22.0338, 0.1725, 0.4680



22.0338, 0.1777, 0.1415

Complementary

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



22.0338, 0.5800, 0.3777



24.4338, 0.1892, 0.2012

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.



22.0338, 0.1193, 0.1436



22.0338, 0.5800, 0.3777



22.0338, 0.1121, 0.2870

Square

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



22.0338, 0.5800, 0.3777



22.0338, 0.2792, 0.6017



22.0338, 0.0985, 0.1836



22.0338, 0.2871, 0.1694

Rectangle

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



22.0338, 0.5800, 0.3777



22.0338, 0.4388, 0.5409



22.0338, 0.0985, 0.1836



22.0338, 0.1532, 0.1387

Sweetspot

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



22.0352, 0.5800, 0.3777



69.0453, 0.3718, 0.3585



17.7976, 0.4424, 0.2211



14.0031, 0.3825, 0.3629



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.



22.0352, 0.5800, 0.3777



29.3520, 0.5812, 0.3767



54.4943, 0.4453, 0.4847



14.5282, 0.3283, 0.3377



13.0273, 0.5772, 0.3799



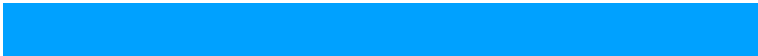
1.0704, 0.5481, 0.4030

Inverse Universe

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



24.4338, 0.1892, 0.2012



32.5405, 0.1890, 0.2002



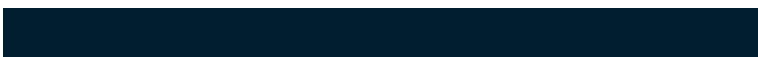
6.3041, 0.1525, 0.0691



14.6740, 0.2981, 0.3201



14.4482, 0.1898, 0.2033



1.1711, 0.1958, 0.2248

Previews

White Background



This preview shows how the Yxy color 22.0338, 0.5800, 0.3777 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 22.0338, 0.5800, 0.3777 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 22.0338, 0.5800, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 22.0338, 0.5800, 0.3777.



This preview shows how white text looks on a background with the Yxy color 22.0338, 0.5800, 0.3777.

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

22.0338, 0.5800, 0.3777

Protanopia

22.1381, 0.4331, 0.4796

Deuteranopia

22.0584, 0.4711, 0.4641



Tritanopia

22.0857, 0.5227, 0.3248

Trichromacy



Original Color

22.0338, 0.5800, 0.3777

Protanomaly

20.8434, 0.4933, 0.4385

Deuteranomaly

21.1642, 0.5173, 0.4275

Tritanomaly

21.8474, 0.5562, 0.3526

Monochromacy



Original Color

22.0338, 0.5800, 0.3777

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3636, 0.4297, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0338, 0.5800, 0.3777 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(224, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 83, 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(224, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.0338, 0.5800, 0.3777 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(224, 83, 0) }
```

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

```
.border{ border-color:rgb(224, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.0338, 0.5800, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 83, 0) }
```

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

```
.background{ background-color: rgb(224, 83,  
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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