

Converting Colors

$Yxy(22.5344, 0.5914, 0.3648)$

Have a look what the booklet for
Yxy(22.5344, 0.5914, 0.3648)
contains.

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Color

Yxy(22.5465, 0.5910, 0.3650)

Conversions

Conversions Part 1

Format	Color
Hex	EA4B0A
RGB	234, 75, 10
RGB Percent	92%, 29%, 4%
CMY	0.0823, 0.7059, 0.9604
CMYK	0.00, 0.68, 0.96, 0.08
HSL	17°, 92%, 48%
HSV	17°, 96%, 92%
XYZ	36.5068, 22.5465, 2.7179
YIQ	115.1310, 115.6290, 13.4930

Conversions

Conversions Part 2

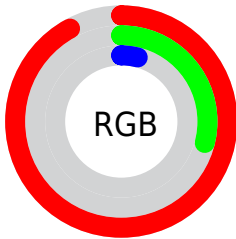
Format	Color
RYB	234, 102, 10
Decimal	15354634
CIELab	54.60, 59.13, 63.28
CIElCh	55, 86.607, 46.939
Yxy	22.5465, 0.5910, 0.3650
Android (android.graphics.Color)	4293544714 (0xFFEA4B0A)
YUV	115.1310, -51.8296, 104.2481
Hunter-Lab	47.4832, 54.1419, 29.8445

Details

The Yxy color **22.5465, 0.5910, 0.3650** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **34.4319, 0.1992, 0.2349**, and the grayscale version is **17.3233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8978, 0.5127, 0.3858**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6063, 0.6012, 0.3609**, and if you desaturate by 10%, it is **25.1945, 0.5628, 0.3730**.

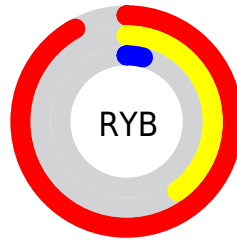
Distribution



Red (92%)

Green (29%)

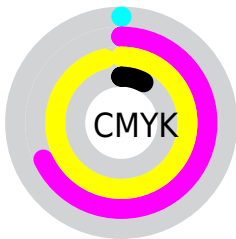
Blue (4%)



Red (92%)

Yellow (40%)

Blue (4%)

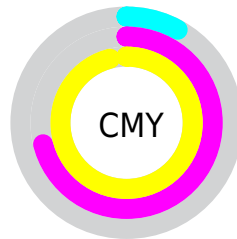


Cyan (0%)

Magenta (68%)

Yellow (96%)

Black (8%)



Cyan (8%)


Magenta (71%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5465, 0.5910, 0.3650 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 22.5465, 0.5910, 0.3650 by changing the saturation by 10% instead.


 22.5465, 0.5910,
0.3650


 22.5465, 0.5910,
0.3650


265.3871, 0.4476,
0.3683


 14.2590, 0.6217,
0.3546


 47.6476, 0.5413,
0.3731

 8.3010, 0.6613,
0.3387


 65.2300, 0.5216,
0.3740


 4.2882, 0.6948,
0.3052

 86.6795, 0.5047,
0.3739

 1.8360, 0.7428,
0.2572

 112.3805, 0.4900,
0.3732

 0.5095, 0.8285,
0.1715

 142.7173, 0.4773,
0.3721

 0.0000, 1.0000,
0.0000


 178.0744, 0.4661,


 0.0000, 0.0000,

0.3709


0.0000


 218.8362, 0.4563,
0.3696


 22.5465, 0.5910,
0.3650

 22.5465, 0.5910,
0.3650


 21.6063, 0.6012,
0.3609

 25.1945, 0.5628,
0.3730

 28.5633, 0.5279,
0.3764

 32.7082, 0.4902,
0.3754

 37.6776, 0.4531,
0.3710

 43.5152, 0.4189,
0.3644

■ 50.2616, 0.3886,
0.3567

■ 57.9545, 0.3626,
0.3486

■ 66.6295, 0.3405,
0.3407

■ 76.3205, 0.3219,
0.3331

Harmonies

Analogous

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



22.5465, 0.5593, 0.2857



22.5465, 0.5910, 0.3650



22.5465, 0.5266, 0.4595

Triad

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



22.5465, 0.5910, 0.3650



22.5465, 0.1792, 0.4994



22.5465, 0.1637, 0.1356

Complementary

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



22.5465, 0.5910, 0.3650



34.4319, 0.1992, 0.2349

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.



22.5465, 0.1102, 0.1416



22.5465, 0.5910, 0.3650



22.5465, 0.1116, 0.3047

Square

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



22.5465, 0.5910, 0.3650



22.5465, 0.2915, 0.6171



22.5465, 0.0934, 0.1880



22.5465, 0.2682, 0.1601

Rectangle

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



22.5465, 0.5910, 0.3650



22.5465, 0.4549, 0.5316



22.5465, 0.0934, 0.1880



22.5465, 0.1410, 0.1340

Sweetspot

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



22.5478, 0.5910, 0.3650



67.0643, 0.3711, 0.3514



20.6384, 0.4050, 0.2021



13.5035, 0.3824, 0.3549



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.



22.5478, 0.5910, 0.3650



26.1431, 0.6019, 0.3603



52.4252, 0.4611, 0.4699



15.7651, 0.3286, 0.3359



12.3273, 0.5984, 0.3631



1.1283, 0.5712, 0.3847

Inverse Universe

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



34.4319, 0.1992, 0.2349



40.3117, 0.1972, 0.2297



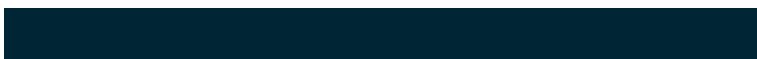
9.0957, 0.1583, 0.0872



16.3416, 0.2981, 0.3220



18.9301, 0.1978, 0.2319



1.6505, 0.2020, 0.2470

Previews

White Background



This preview shows how the Yxy color 22.5465, 0.5910, 0.3650 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 22.5465, 0.5910, 0.3650 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 22.5465, 0.5910, 0.3650

Background



This preview shows how black text looks on a background with the Yxy color 22.5465, 0.5910, 0.3650.



This preview shows how white text looks on a background with the Yxy color 22.5465, 0.5910, 0.3650.

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

22.5465, 0.5910, 0.3650

Protanopia

22.6076, 0.4326, 0.4764

Deuteranopia

22.6666, 0.4693, 0.4655



Tritanopia

22.5235, 0.5469, 0.3272

Trichromacy



Original Color

22.5465, 0.5910, 0.3650

Protanomaly

21.0067, 0.4992, 0.4296

Deuteranomaly

21.4713, 0.5215, 0.4223

Tritanomaly

22.5272, 0.5708, 0.3461

Monochromacy



Original Color

22.5465, 0.5910, 0.3650

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.9193, 0.4333, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5465, 0.5910, 0.3650 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(234, 75, 10)` looks like.

```
.text, #text, p{  
    color:rgb(234, 75, 10)  
}
```

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(234, 75, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 75, 10) }
```

Border

The CSS property to change the border of an element to Yxy 22.5465, 0.5910, 0.3650 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(234, 75, 10) }
```

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

```
.border{ border-color:rgb(234, 75, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 75, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 75, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 75, 10);  
box-shadow:4px 4px 4px 4px rgb(234, 75,  
10) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.5465, 0.5910, 0.3650$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 75, 10) }
```

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

```
.background{ background-color: rgb(234, 75,  
10) }
```

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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