

Converting Colors

$Y_{xy}(19.3653, 0.5850, 0.3737)$

Have a look what the booklet for
Yxy(19.3653, 0.5850, 0.3737)
contains.

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Color

Yxy(19.3283, 0.5849, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	D64B00
RGB	214, 75, 0
RGB Percent	84%, 29%, 0%
CMY	0.1609, 0.7058, 1.0000
CMYK	0.00, 0.65, 1.00, 0.16
HSL	21°, 100%, 42%
HSV	21°, 100%, 84%
XYZ	30.2438, 19.3283, 2.1355
YIQ	108.0110, 106.9190, 6.1430

Conversions

Conversions Part 2

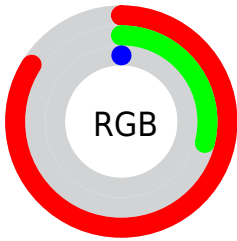
Format	Color
R_{YB}	214, 115, 0
Decimal	14043904
CIE Lab	51.07, 52.26, 61.70
CIE LCh	51, 80.859, 49.735
Yxy	19.3283, 0.5849, 0.3738
Android (android.graphics.Color)	4292233984 (0xFFD64B00)
YUV	108.0110, -53.2494, 92.9524
Hunter-Lab	43.9640, 45.8571, 27.8948

Details

The Yxy color **19.3283, 0.5849, 0.3738** 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 **23.3059, 0.1913, 0.2087**, and the grayscale version is **15.1325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2974, 0.5190, 0.3877**, and **6.7011, 0.6339, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **19.3295, 0.5849, 0.3738**, and if you desaturate by 10%, it is **21.4812, 0.5600, 0.3827**.

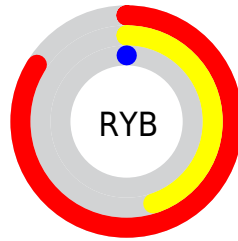
Distribution



Red (84%)

Green (29%)

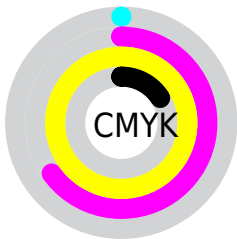
Blue (0%)



Red (84%)

Yellow (45%)

Blue (0%)

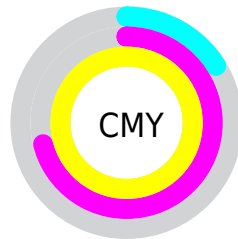


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3283, 0.5849, 0.3738 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 19.3283, 0.5849, 0.3738 by changing the saturation by 10% instead.


 19.3283, 0.5849,
0.3738


 19.3283, 0.5849,
0.3738


248.2552, 0.4418,
0.3718

 11.9077, 0.6166,
0.3640


 42.2881, 0.5348,
0.3805


 6.6809, 0.6540,
0.3460


 58.5962, 0.5150,
0.3807


 3.2633, 0.6896,
0.3104

 78.6355, 0.4981,
0.3798

 1.2707, 0.7426,
0.2574

 102.7905, 0.4835,
0.3785

 0.1184, 0.9275,
0.0725

 131.4456, 0.4709,
0.3769


 0.0000, 1.0000,
0.0000

 164.9851, 0.4599,

 0.0000, 0.0000,


0.3752

0.0000


 203.7935, 0.4503,
0.3735


 19.3283, 0.5849,
0.3738

 19.3283, 0.5849,
0.3738


 19.3295, 0.5849,
0.3738

 21.4812, 0.5600,
0.3827

 24.1310, 0.5295,
0.3873

 27.3221, 0.4954,
0.3869

 31.0869, 0.4608,
0.3824

 35.4548, 0.4278,
0.3752

■ 40.4529, 0.3979,
0.3663

■ 46.1066, 0.3715,
0.3567

■ 52.4394, 0.3487,
0.3471

■ 59.4740, 0.3293,
0.3378

Harmonies

Analogous

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



19.3283, 0.5633, 0.2940



19.3283, 0.5849, 0.3738



19.3283, 0.5162, 0.4694

Triad

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



19.3283, 0.5849, 0.3738



19.3283, 0.1730, 0.4779



19.3283, 0.1728, 0.1387

Complementary

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



19.3283, 0.5849, 0.3738



23.3059, 0.1913, 0.2087

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.



19.3283, 0.1156, 0.1418



19.3283, 0.5849, 0.3738



19.3283, 0.1106, 0.2910

Square

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



19.3283, 0.5849, 0.3738



19.3283, 0.2817, 0.6091



19.3283, 0.0959, 0.1835



19.3283, 0.2816, 0.1658

Rectangle

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



19.3283, 0.5849, 0.3738



19.3283, 0.4438, 0.5399



19.3283, 0.0959, 0.1835



19.3283, 0.1488, 0.1362

Sweetspot

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



19.3295, 0.5849, 0.3738



68.3119, 0.3723, 0.3570



16.1601, 0.4352, 0.2171



13.8318, 0.3831, 0.3611



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.



19.3295, 0.5849, 0.3738



28.4733, 0.5866, 0.3724



47.7022, 0.4488, 0.4818



13.1260, 0.3282, 0.3372



11.8629, 0.5822, 0.3759



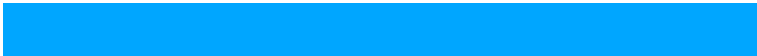
0.8685, 0.5489, 0.4024

Inverse Universe

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



23.3059, 0.1913, 0.2087



34.3433, 0.1910, 0.2075



5.8924, 0.1532, 0.0713



13.3409, 0.2982, 0.3206



14.2914, 0.1919, 0.2107



1.0146, 0.1982, 0.2335

Previews

White Background



This preview shows how the Yxy color 19.3283, 0.5849, 0.3738 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 19.3283, 0.5849, 0.3738 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 19.3283, 0.5849, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 19.3283, 0.5849, 0.3738.



This preview shows how white text looks on a background with the Yxy color 19.3283, 0.5849, 0.3738.

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

19.3283, 0.5849, 0.3738

Protanopia

19.6271, 0.4325, 0.4793

Deuteranopia

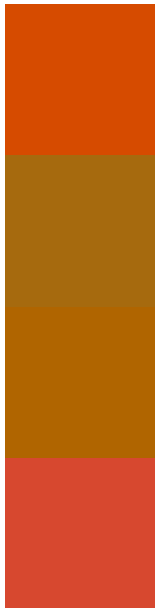
19.3608, 0.4700, 0.4650



Tritanopia

19.3218, 0.5302, 0.3257

Trichromacy



Original Color

19.3283, 0.5849, 0.3738

Protanomaly

18.4468, 0.4958, 0.4363

Deuteranomaly

18.5375, 0.5188, 0.4263

Tritanomaly

19.2870, 0.5617, 0.3511

Monochromacy



Original Color

19.3283, 0.5849, 0.3738

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.9985, 0.4333, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3283, 0.5849, 0.3738 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(214, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 75, 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(214, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.3283, 0.5849, 0.3738 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(214, 75, 0) }
```

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

```
.border{ border-color:rgb(214, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.3283, 0.5849, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 75, 0) }
```

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

```
.background{ background-color: rgb(214, 75,  
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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