

Converting Colors

$Y_{xy}(19.6435, 0.5824, 0.3757)$

Have a look what the booklet for
Yxy(19.6435, 0.5824, 0.3757)
contains.

Yxy(19.6039, 0.5824, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6039, 0.5824, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	D64D00
RGB	214, 77, 0
RGB Percent	84%, 30%, 0%
CMY	0.1609, 0.6979, 1.0000
CMYK	0.00, 0.64, 1.00, 0.16
HSL	22°, 100%, 42%
HSV	22°, 100%, 84%
XYZ	30.3814, 19.6039, 2.1805
YIQ	109.1850, 106.3690, 5.0970

Conversions

Conversions Part 2

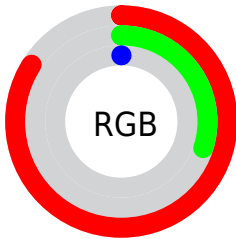
Format	Color
RYB	214, 120, 0
Decimal	14044416
CIELab	51.39, 51.41, 61.87
CIElCh	51, 80.443, 50.276
Yxy	19.6039, 0.5824, 0.3758
Android (android.graphics.Color)	4292234496 (0xFFD64D00)
YUV	109.1850, -53.8282, 91.9228
Hunter-Lab	44.2763, 44.9990, 28.0735

Details

The Yxy color **19.6039, 0.5824, 0.3758** 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 **22.7321, 0.1904, 0.2054**, and the grayscale version is **15.4847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8295, 0.5170, 0.3896**, and **6.8257, 0.6305, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **19.6052, 0.5824, 0.3758**, and if you desaturate by 10%, it is **21.7841, 0.5576, 0.3846**.

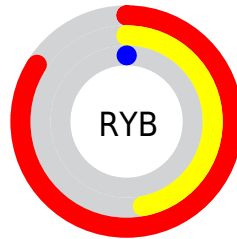
Distribution



Red (84%)

Green (30%)

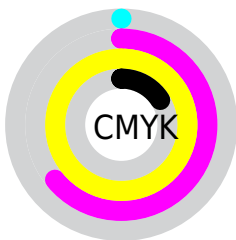
Blue (0%)



Red (84%)

Yellow (47%)

Blue (0%)

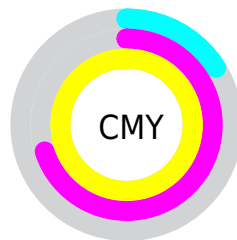


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6039, 0.5824, 0.3758 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 19.6039, 0.5824, 0.3758 by changing the saturation by 10% instead.


 19.6039, 0.5824,
0.3758


 19.6039, 0.5824,
0.3758


249.7627, 0.4408,
0.3725


 12.1074, 0.6136,
0.3664


 42.7521, 0.5329,
0.3820

 6.8169, 0.6508,
0.3492


 59.1726, 0.5134,
0.3819

 3.3479, 0.6857,
0.3143

 79.3366, 0.4966,
0.3809

 1.3159, 0.7376,
0.2624

 103.6285, 0.4822,
0.3795

 0.1535, 0.9090,
0.0910

 132.4326, 0.4697,
0.3778


 0.0000, 1.0000,
0.0000


 166.1335, 0.4588,


 0.0000, 0.0000,


0.3761

0.0000


 205.1153, 0.4493,
0.3743

 19.6039, 0.5824,
0.3758


 19.6039, 0.5824,
0.3758

 19.6052, 0.5824,
0.3758

 21.7841, 0.5576,
0.3846

 24.4516, 0.5275,
0.3891

 27.6497, 0.4939,
0.3885

 31.4098, 0.4597,
0.3839

 35.7603, 0.4271,
0.3764

■ 40.7275, 0.3975,
0.3672

■ 46.3358, 0.3713,
0.3574

■ 52.6082, 0.3486,
0.3475

■ 59.5665, 0.3292,
0.3380

Harmonies

Analogous

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



19.6039, 0.5625, 0.2960



19.6039, 0.5824, 0.3758



19.6039, 0.5134, 0.4709

Triad

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



19.6039, 0.5824, 0.3758



19.6039, 0.1727, 0.4728



19.6039, 0.1753, 0.1401

Complementary

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



19.6039, 0.5824, 0.3758



22.7321, 0.1904, 0.2054

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.



19.6039, 0.1175, 0.1427



19.6039, 0.5824, 0.3758



19.6039, 0.1114, 0.2889

Square

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



19.6039, 0.5824, 0.3758



19.6039, 0.2804, 0.6053



19.6039, 0.0972, 0.1835



19.6039, 0.2844, 0.1677

Rectangle

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



19.6039, 0.5824, 0.3758



19.6039, 0.4413, 0.5405



19.6039, 0.0972, 0.1835



19.6039, 0.1510, 0.1375

Sweetspot

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



19.6052, 0.5824, 0.3758



68.6556, 0.3720, 0.3577



16.1601, 0.4352, 0.2171



13.9120, 0.3828, 0.3619



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.



19.6052, 0.5824, 0.3758



28.8787, 0.5841, 0.3744



47.7021, 0.4488, 0.4818



13.1452, 0.3282, 0.3374



12.0325, 0.5797, 0.3779



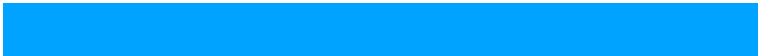
0.8802, 0.5466, 0.4042

Inverse Universe

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



22.7321, 0.1904, 0.2054



33.4874, 0.1900, 0.2041



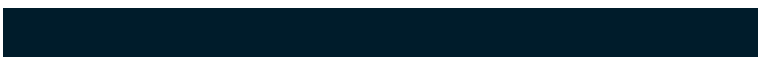
5.8924, 0.1532, 0.0713



13.3209, 0.2982, 0.3204



13.9462, 0.1909, 0.2074



0.9955, 0.1974, 0.2308

Previews

White Background



This preview shows how the Yxy color 19.6039, 0.5824, 0.3758 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 19.6039, 0.5824, 0.3758 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 19.6039, 0.5824, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 19.6039, 0.5824, 0.3758.



This preview shows how white text looks on a background with the Yxy color 19.6039, 0.5824, 0.3758.

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

19.6039, 0.5824, 0.3758

Protanopia

19.7128, 0.4338, 0.4784

Deuteranopia

19.6911, 0.4697, 0.4653



Tritanopia

19.7555, 0.5265, 0.3257

Trichromacy



Original Color

19.6039, 0.5824, 0.3758

Protanomaly

18.4468, 0.4958, 0.4363

Deuteranomaly

18.7328, 0.5171, 0.4276

Tritanomaly

19.5580, 0.5587, 0.3524

Monochromacy



Original Color

19.6039, 0.5824, 0.3758

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.1821, 0.4323, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6039, 0.5824, 0.3758 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 77, 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, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.6039, 0.5824, 0.3758 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, 77, 0) }
```

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

```
.border{ border-color:rgb(214, 77, 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, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6039, 0.5824, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 77, 0) }
```

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

```
.background{ background-color: rgb(214, 77,  
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](#).

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