

Converting Colors

$Y_{xy}(19.0374, 0.5836, 0.3748)$

Have a look what the booklet for
Yxy(19.0374, 0.5836, 0.3748)
contains.

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Color

Yxy(19.0292, 0.5839, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	D44B00
RGB	212, 75, 0
RGB Percent	83%, 29%, 0%
CMY	0.1686, 0.7059, 0.9994
CMYK	0.00, 0.65, 1.00, 0.17
HSL	21°, 100%, 42%
HSV	21°, 100%, 83%
XYZ	29.6693, 19.0292, 2.1138
YIQ	107.4130, 105.7270, 5.7190

Conversions

Conversions Part 2

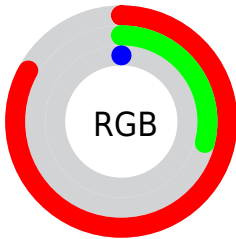
Format	Color
R _Y B	212, 116, 0
Decimal	13912832
CIE Lab	50.72, 51.58, 61.28
CIE LCh	51, 80.105, 49.912
Yxy	19.0292, 0.5839, 0.3745
Android (android.graphics.Color)	4292102912 (0xFFD44B00)
YUV	107.4130, -52.9546, 91.7228
Hunter-Lab	43.6225, 45.0653, 27.6627

Details

The Yxy color **19.0292, 0.5839, 0.3745** 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 **22.6931, 0.1911, 0.2080**, and the grayscale version is **14.9575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2974, 0.5190, 0.3877**, and **6.6289, 0.6332, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **19.0158, 0.5841, 0.3744**, and if you desaturate by 10%, it is **21.1500, 0.5590, 0.3833**.

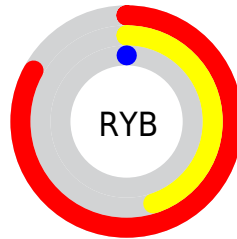
Distribution



Red (83%)

Green (29%)

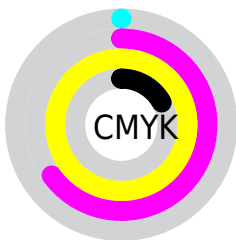
Blue (0%)



Red (83%)

Yellow (45%)

Blue (0%)

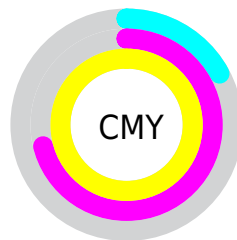


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0292, 0.5839, 0.3745 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 19.0292, 0.5839, 0.3745 by changing the saturation by 10% instead.


 19.0292, 0.5839,
0.3745


 19.0292, 0.5839,
0.3745


246.6099, 0.4409,
0.3719


 11.6914, 0.6157,
0.3648


 41.7834, 0.5337,
0.3810

 6.5339, 0.6533,
0.3467


 57.9686, 0.5140,
0.3811


 3.1724, 0.6890,
0.3110

 77.8718, 0.4970,
0.3802

 1.2224, 0.7426,
0.2574

 101.8772, 0.4825,
0.3788

 0.0799, 0.9474,
0.0526

 130.3693, 0.4699,
0.3771


 0.0000, 1.0000,
0.0000


 163.7326, 0.4589,

 0.0000, 0.0000,


0.3754


0.0000

 202.3513, 0.4493,
0.3737

 19.0292, 0.5839,
0.3745

 19.0292, 0.5839,
0.3745

 19.0158, 0.5841,
0.3744

 21.1500, 0.5590,
0.3833

 23.7549, 0.5285,
0.3878

 26.8867, 0.4946,
0.3873

 30.5768, 0.4601,
0.3828

 34.8537, 0.4273,
0.3754

■ 39.7435, 0.3975,
0.3665

■ 45.2707, 0.3712,
0.3568

■ 51.4584, 0.3485,
0.3471

■ 58.3282, 0.3291,
0.3377

Harmonies

Analogous

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



19.0292, 0.5628, 0.2947



19.0292, 0.5839, 0.3745



19.0292, 0.5153, 0.4699

Triad

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



19.0292, 0.5839, 0.3745



19.0292, 0.1730, 0.4761



19.0292, 0.1737, 0.1393

Complementary

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



19.0292, 0.5839, 0.3745



22.6931, 0.1911, 0.2080

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.



19.0292, 0.1163, 0.1422



19.0292, 0.5839, 0.3745



19.0292, 0.1110, 0.2904

Square

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



19.0292, 0.5839, 0.3745



19.0292, 0.2814, 0.6076



19.0292, 0.0965, 0.1836



19.0292, 0.2825, 0.1665

Rectangle

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



19.0292, 0.5839, 0.3745



19.0292, 0.4430, 0.5401



19.0292, 0.0965, 0.1836



19.0292, 0.1496, 0.1368

Sweetspot

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



19.0303, 0.5839, 0.3745



68.4090, 0.3722, 0.3572



15.8321, 0.4350, 0.2171



13.8545, 0.3830, 0.3613



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.



19.0303, 0.5839, 0.3745



28.5867, 0.5859, 0.3730



46.7328, 0.4487, 0.4819



13.1314, 0.3282, 0.3373



11.9104, 0.5815, 0.3765



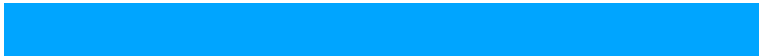
0.8718, 0.5482, 0.4029

Inverse Universe

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



22.6931, 0.1911, 0.2080



34.0995, 0.1907, 0.2065



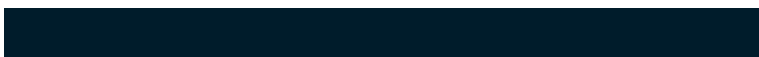
5.7844, 0.1532, 0.0715



13.3352, 0.2982, 0.3206



14.1931, 0.1916, 0.2097



1.0092, 0.1980, 0.2327

Previews

White Background



This preview shows how the Yxy color 19.0292, 0.5839, 0.3745 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 19.0292, 0.5839, 0.3745 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 19.0292, 0.5839, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 19.0292, 0.5839, 0.3745.



This preview shows how white text looks on a background with the Yxy color 19.0292, 0.5839, 0.3745.

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

19.0292, 0.5839, 0.3745

Protanopia

19.2954, 0.4325, 0.4790

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

19.0209, 0.5284, 0.3256

Trichromacy



Original Color

19.0292, 0.5839, 0.3745

Protanomaly

18.0274, 0.4951, 0.4366

Deuteranomaly

18.1130, 0.5184, 0.4266

Tritanomaly

18.9861, 0.5604, 0.3515

Monochromacy



Original Color

19.0292, 0.5839, 0.3745

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6215, 0.4329, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0292, 0.5839, 0.3745 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(212, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.0292, 0.5839, 0.3745 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(212, 75, 0) }
```

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

```
.border{ border-color:rgb(212, 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(212, 75, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0292, 0.5839, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 75, 0) }
```

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

```
.background{ background-color: rgb(212, 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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