

Converting Colors

$Y_{xy}(16.5892, 0.5880, 0.3714)$

Have a look what the booklet for
Yxy(16.5892, 0.5880, 0.3714)
contains.

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Color

Yxy(16.5518, 0.5874, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	C94400
RGB	201, 68, 0
RGB Percent	79%, 27%, 0%
CMY	0.2119, 0.7332, 1.0000
CMYK	0.00, 0.66, 1.00, 0.21
HSL	20°, 100%, 39%
HSV	20°, 100%, 79%
XYZ	26.1499, 16.5518, 1.8163
YIQ	100.0150, 101.0960, 7.0480

Conversions

Conversions Part 2

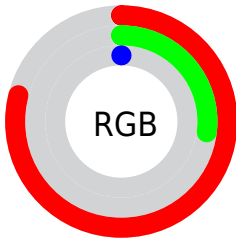
Format	Color
RYB	201, 103, 0
Decimal	13190144
CIELab	47.69, 50.67, 58.71
CIElCh	48, 77.551, 49.203
Yxy	16.5518, 0.5874, 0.3718
Android (android.graphics.Color)	4291380224 (0xFFC94400)
YUV	100.0150, -49.3074, 88.5638
Hunter-Lab	40.6839, 43.5354, 25.8317

Details

The Yxy color **16.5518, 0.5874, 0.3718** 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 **20.9746, 0.1927, 0.2136**, and the grayscale version is **12.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4948, 0.5274, 0.3821**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5528, 0.5874, 0.3718**, and if you desaturate by 10%, it is **18.3991, 0.5619, 0.3805**.

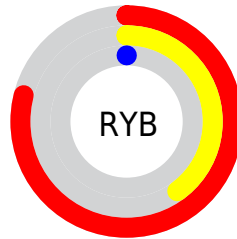
Distribution



Red (79%)

Green (27%)

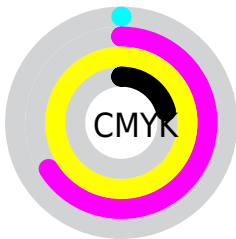
Blue (0%)



Red (79%)

Yellow (40%)

Blue (0%)

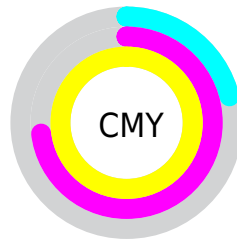


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5518, 0.5874, 0.3718 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 16.5518, 0.5874, 0.3718 by changing the saturation by 10% instead.


 16.5518, 0.5874,
0.3718

 16.5518, 0.5874,
0.3718


 232.5761, 0.4393,
0.3705


 9.9155, 0.6224,
0.3616


 37.5535, 0.5346,
0.3792


 5.3429, 0.6602,
0.3398


 52.6877, 0.5141,
0.3794

 2.4498, 0.7000,
0.3000

 71.4233, 0.4966,
0.3786

 0.8514, 0.7611,
0.2389

 94.1447, 0.4816,
0.3772

 0.0000, 1.0000,
0.0000


 121.2363, 0.4688,
0.3756


 0.0000, 0.0000,
0.0000

 153.0824, 0.4576,


0.3739


 190.0676, 0.4478,
0.3722


 16.5518, 0.5874,
0.3718


 16.5518, 0.5874,
0.3718


 16.5528, 0.5874,
0.3718

 18.3991, 0.5619,
0.3805

 20.6856, 0.5310,
0.3850

 23.4514, 0.4964,
0.3847

 26.7255, 0.4613,
0.3804

 30.5342, 0.4281,
0.3734

■ 34.9017, 0.3979,
0.3649

■ 39.8505, 0.3715,
0.3556

■ 45.4020, 0.3487,
0.3464

■ 51.5762, 0.3292,
0.3374

Harmonies

Analogous

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



16.5518, 0.5642, 0.2920



16.5518, 0.5874, 0.3718



16.5518, 0.5197, 0.4684

Triad

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



16.5518, 0.5874, 0.3718



16.5518, 0.1732, 0.4831



16.5518, 0.1703, 0.1373

Complementary

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



16.5518, 0.5874, 0.3718



20.9746, 0.1927, 0.2136

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.



16.5518, 0.1138, 0.1409



16.5518, 0.5874, 0.3718



16.5518, 0.1098, 0.2931

Square

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



16.5518, 0.5874, 0.3718



16.5518, 0.2830, 0.6128



16.5518, 0.0945, 0.1835



16.5518, 0.2787, 0.1640

Rectangle

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



16.5518, 0.5874, 0.3718



16.5518, 0.4469, 0.5402



16.5518, 0.0945, 0.1835



16.5518, 0.1465, 0.1350

Sweetspot

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



16.5528, 0.5874, 0.3718



67.8693, 0.3725, 0.3560



14.1350, 0.4281, 0.2132



13.7286, 0.3835, 0.3600



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.



16.5528, 0.5874, 0.3718



27.9675, 0.5898, 0.3699



40.2279, 0.4524, 0.4790



11.2140, 0.3281, 0.3369



10.5636, 0.5848, 0.3739



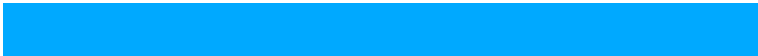
0.6347, 0.5439, 0.4063

Inverse Universe

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



20.9746, 0.1927, 0.2136



35.4753, 0.1922, 0.2119



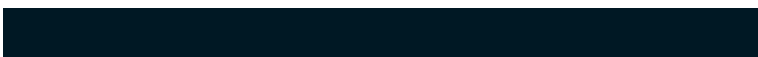
5.3314, 0.1539, 0.0739



11.4394, 0.2984, 0.3210



13.3666, 0.1932, 0.2154



0.7630, 0.2005, 0.2419

Previews

White Background



This preview shows how the Yxy color 16.5518, 0.5874, 0.3718 looks on a white 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

Black Background



This preview shows how the Yxy color 16.5518, 0.5874, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

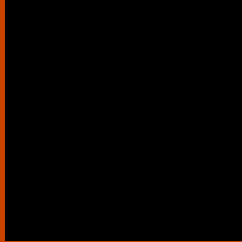
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5518, 0.5874, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 16.5518, 0.5874, 0.3718.



This preview shows how white text looks on a background with the Yxy color 16.5518, 0.5874, 0.3718.

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

16.5518, 0.5874, 0.3718

Protanopia

16.6780, 0.4318, 0.4783

Deuteranopia

16.6544, 0.4705, 0.4646



Tritanopia

16.5168, 0.5351, 0.3256

Trichromacy



Original Color

16.5518, 0.5874, 0.3718

Protanomaly

15.5470, 0.4983, 0.4336

Deuteranomaly

15.8280, 0.5211, 0.4245

Tritanomaly

16.5116, 0.5646, 0.3494

Monochromacy



Original Color

16.5518, 0.5874, 0.3718

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6680, 0.4343, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5518, 0.5874, 0.3718 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(201, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 68, 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(201, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.5518, 0.5874, 0.3718 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(201, 68, 0) }
```

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

```
.border{ border-color:rgb(201, 68, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 68, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5518, 0.5874, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 68, 0) }
```

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

```
.background{ background-color: rgb(201, 68,  
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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