

Converting Colors

$Yxy(17.0047, 0.5800, 0.3757)$

Have a look what the booklet for
Yxy(17.0047, 0.5800, 0.3757)
contains.

Yxy(16.9229, 0.5802, 0.3754)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.9229, 0.5802, 0.3754)

Conversions

Conversions Part 1

Format	Color
Hex	C84804
RGB	200, 72, 4
RGB Percent	78%, 28%, 2%
CMY	0.2158, 0.7175, 0.9845
CMYK	0.00, 0.64, 0.98, 0.22
HSL	21°, 96%, 40%
HSV	21°, 98%, 78%
XYZ	26.1552, 16.9229, 2.0015
YIQ	102.5200, 98.1160, 5.9880

Conversions

Conversions Part 2

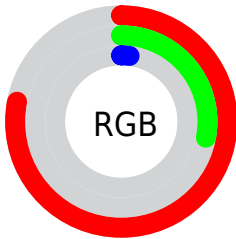
Format	Color
R_{YB}	200, 108, 4
Decimal	13125636
CIE Lab	48.16, 48.66, 57.84
CIE LCh	48, 75.585, 49.930
Yxy	16.9229, 0.5802, 0.3754
Android (android.graphics.Color)	4291315716 (0xFFC84804)
YUV	102.5200, -48.5704, 85.4900
Hunter-Lab	41.1375, 41.4998, 25.9115

Details

The Yxy color **16.9229, 0.5802, 0.3754** 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 **20.6744, 0.1929, 0.2131**, and the grayscale version is **13.5429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5186, 0.5220, 0.3848**, and **5.5354, 0.6326, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **16.5878, 0.5850, 0.3737**, and if you desaturate by 10%, it is **18.8525, 0.5541, 0.3836**.

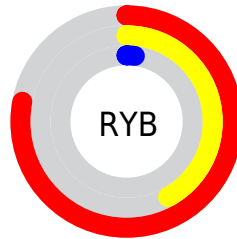
Distribution



Red (78%)

Green (28%)

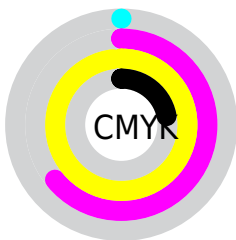
Blue (2%)



Red (78%)

Yellow (42%)

Blue (2%)

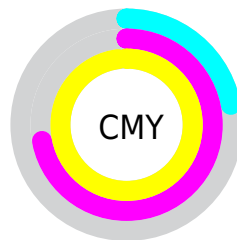


Cyan (0%)

Magenta (64%)

Yellow (98%)

Black (22%)



Cyan (22%)


Magenta (72%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9229, 0.5802, 0.3754 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 16.9229, 0.5802, 0.3754 by changing the saturation by 10% instead.


 16.9229, 0.5802,
0.3754


 16.9229, 0.5802,
0.3754


 234.7277, 0.4357,
0.3709


 10.1795, 0.6139,
0.3661


 38.1932, 0.5285,
0.3812


 5.5182, 0.6530,
0.3470

 53.4889, 0.5085,
0.3809


 2.5544, 0.6912,
0.3088

 72.4041, 0.4914,
0.3797


 0.9038, 0.7501,
0.2499

 95.3233, 0.4769,
0.3781

 0.0000, 1.0000,
0.0000


 122.6309, 0.4644,
0.3763


 0.0000, 0.0000,
0.0000


 154.7112, 0.4535,

0.3745


 191.9487, 0.4441,
0.3726

 16.9229, 0.5802,
0.3754

 16.9229, 0.5802,
0.3754


 16.5878, 0.5850,
0.3737

 18.8525, 0.5541,
0.3836

 21.2192, 0.5225,
0.3870

 24.0568, 0.4880,
0.3856

 27.3927, 0.4536,
0.3805

 31.2514, 0.4212,
0.3729

■ 35.6559, 0.3920,
0.3639

■ 40.6276, 0.3665,
0.3544

■ 46.1865, 0.3445,
0.3450

■ 52.3518, 0.3257,
0.3359

Harmonies

Analogous

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



16.9229, 0.5586, 0.2960



16.9229, 0.5802, 0.3754



16.9229, 0.5136, 0.4697

Triad

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



16.9229, 0.5802, 0.3754



16.9229, 0.1755, 0.4729



16.9229, 0.1757, 0.1415

Complementary

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



16.9229, 0.5802, 0.3754



20.6744, 0.1929, 0.2131

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.



16.9229, 0.1186, 0.1446



16.9229, 0.5802, 0.3754



16.9229, 0.1137, 0.2915

Square

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



16.9229, 0.5802, 0.3754



16.9229, 0.2830, 0.6019



16.9229, 0.0989, 0.1860



16.9229, 0.2833, 0.1686

Rectangle

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



16.9229, 0.5802, 0.3754



16.9229, 0.4426, 0.5383



16.9229, 0.0989, 0.1860



16.9229, 0.1518, 0.1391

Sweetspot

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



16.9239, 0.5802, 0.3754



69.0925, 0.3699, 0.3557



14.1021, 0.4252, 0.2126



13.9780, 0.3807, 0.3599



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.



16.9239, 0.5802, 0.3754



28.3295, 0.5875, 0.3717



40.0376, 0.4511, 0.4789



11.2292, 0.3281, 0.3371



10.7014, 0.5825, 0.3757



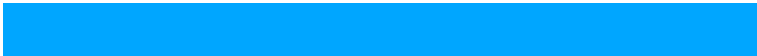
0.6424, 0.5419, 0.4079

Inverse Universe

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



20.6744, 0.1929, 0.2131



34.6575, 0.1913, 0.2087



5.4951, 0.1551, 0.0766



11.4235, 0.2984, 0.3208



13.0692, 0.1923, 0.2123



0.7505, 0.1999, 0.2395

Previews

White Background



This preview shows how the Yxy color 16.9229, 0.5802, 0.3754 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 16.9229, 0.5802, 0.3754 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 16.9229, 0.5802, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 16.9229, 0.5802, 0.3754.



This preview shows how white text looks on a background with the Yxy color 16.9229, 0.5802, 0.3754.

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

16.9229, 0.5802, 0.3754

Protanopia

17.0614, 0.4331, 0.4776

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.8867, 0.5247, 0.3253

Trichromacy



Original Color

16.9229, 0.5802, 0.3754

Protanomaly

15.9267, 0.4941, 0.4356

Deuteranomaly

16.3673, 0.5156, 0.4282

Tritanomaly

16.8790, 0.5552, 0.3506

Monochromacy



Original Color

16.9229, 0.5802, 0.3754

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4628, 0.4270, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9229, 0.5802, 0.3754 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(200, 72, 4)` looks like.

```
.text, #text, p{  
    color:rgb(200, 72, 4)  
}
```

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(200, 72, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 72, 4) }
```

Border

The CSS property to change the border of an element to Yxy 16.9229, 0.5802, 0.3754 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(200, 72, 4) }
```

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

```
.border{ border-color:rgb(200, 72, 4) }
```

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

Here you see how a box with a 4 pixel rgb(200, 72, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 72, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 72, 4);  
box-shadow:4px 4px 4px 4px rgb(200, 72, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.9229, 0.5802, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 72, 4) }
```

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

```
.background{ background-color: rgb(200, 72,  
4) }
```

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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