

Converting Colors

$Y_{xy}(17.9575, 0.5890, 0.3616)$

Have a look what the booklet for
Yxy(17.9575, 0.5890, 0.3616)
contains.

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Color

Yxy(17.9339, 0.5889, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	D44211
RGB	212, 66, 17
RGB Percent	83%, 26%, 7%
CMY	0.1687, 0.7411, 0.9337
CMYK	0.00, 0.69, 0.92, 0.17
HSL	15°, 85%, 45%
HSV	15°, 92%, 83%
XYZ	29.1990, 17.9339, 2.4494
YIQ	104.0680, 102.7450, 15.7130

Conversions

Conversions Part 2

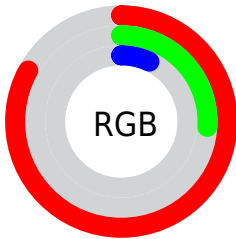
Format	Color
R_{YB}	212, 82, 17
Decimal	13910545
CIE Lab	49.42, 55.41, 56.33
CIE LCh	49, 79.013, 45.470
Yxy	17.9339, 0.5889, 0.3617
Android (android.graphics.Color)	4292100625 (0xFFD44211)
YUV	104.0680, -42.9245, 94.6564
Hunter-Lab	42.3484, 48.9649, 26.2147

Details

The Yxy color **17.9339, 0.5889, 0.3617** 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 **31.0265, 0.2045, 0.2519**, and the grayscale version is **13.9589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6087, 0.5198, 0.3757**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5754, 0.6088, 0.3548**, and if you desaturate by 10%, it is **20.1536, 0.5569, 0.3678**.

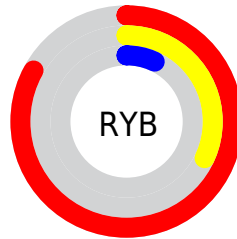
Distribution



Red (83%)

Green (26%)

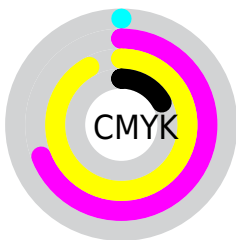
Blue (7%)



Red (83%)

Yellow (32%)

Blue (7%)

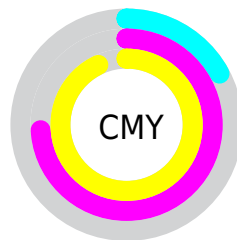


Cyan (0%)

Magenta (69%)

Yellow (92%)

Black (17%)



Cyan (17%)


Magenta (74%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9339, 0.5889, 0.3617 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 17.9339, 0.5889, 0.3617 by changing the saturation by 10% instead.

 17.9339, 0.5889,
0.3617

 17.9339, 0.5889,
0.3617


240.4982, 0.4398,
0.3646


 10.9025, 0.6232,
0.3507


 39.9247, 0.5353,
0.3698


 6.0013, 0.6675,
0.3325

 55.6529, 0.5147,
0.3706

 2.8459, 0.7065,
0.2935

 75.0488, 0.4971,
0.3704

 1.0518, 0.7644,
0.2356

 98.4968, 0.4822,
0.3696

 0.0000, 1.0000,
0.0000


 126.3814, 0.4693,
0.3685


 0.0000, 0.0000,
0.0000


 159.0869, 0.4582,


0.3672


 196.9977, 0.4484,
0.3659


 17.9339, 0.5889,
0.3617

 17.9339, 0.5889,
0.3617

 16.5754, 0.6088,
0.3548

 20.1536, 0.5569,
0.3678

 23.0029, 0.5190,
0.3697

 26.5294, 0.4797,
0.3679

 30.7748, 0.4422,
0.3634

 35.7772, 0.4084,
0.3573

■ 41.5721, 0.3791,
0.3504

■ 48.1924, 0.3542,
0.3434

■ 55.6694, 0.3333,
0.3366

■ 64.0325, 0.3159,
0.3302

Harmonies

Analogous

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



17.9339, 0.5512, 0.2831



17.9339, 0.5889, 0.3617



17.9339, 0.5299, 0.4547

Triad

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



17.9339, 0.5889, 0.3617



17.9339, 0.1860, 0.5057



17.9339, 0.1617, 0.1370

Complementary

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



17.9339, 0.5889, 0.3617



31.0265, 0.2045, 0.2519

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.



17.9339, 0.1105, 0.1447



17.9339, 0.5889, 0.3617



17.9339, 0.1159, 0.3135

Square

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



17.9339, 0.5889, 0.3617



17.9339, 0.2987, 0.6133



17.9339, 0.0955, 0.1937



17.9339, 0.2625, 0.1599

Rectangle

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



17.9339, 0.5889, 0.3617



17.9339, 0.4608, 0.5258



17.9339, 0.0955, 0.1937



17.9339, 0.1399, 0.1360

Sweetspot

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



17.9350, 0.5889, 0.3617



66.7447, 0.3693, 0.3478



17.0467, 0.3893, 0.1953



13.3885, 0.3808, 0.3509



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.



17.9350, 0.5889, 0.3617



24.9480, 0.6105, 0.3535



40.3102, 0.4649, 0.4640



12.9237, 0.3285, 0.3349



10.3693, 0.6064, 0.3567



0.7585, 0.5720, 0.3840

Inverse Universe

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



31.0265, 0.2045, 0.2519



44.3998, 0.2010, 0.2436



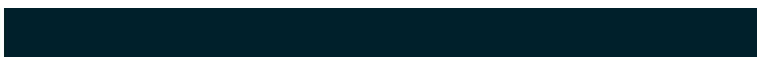
8.7312, 0.1633, 0.1015



13.5538, 0.2982, 0.3230



18.3323, 0.2016, 0.2459



1.2338, 0.2061, 0.2619

Previews

White Background



This preview shows how the Yxy color 17.9339, 0.5889, 0.3617 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 17.9339, 0.5889, 0.3617 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 17.9339, 0.5889, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 17.9339, 0.5889, 0.3617.



This preview shows how white text looks on a background with the Yxy color 17.9339, 0.5889, 0.3617.

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

17.9339, 0.5889, 0.3617

Protanopia

18.0371, 0.4282, 0.4713

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.9730, 0.5479, 0.3269

Trichromacy



Original Color

17.9339, 0.5889, 0.3617

Protanomaly

16.6752, 0.4969, 0.4241

Deuteranomaly

16.9682, 0.5227, 0.4196

Tritanomaly

17.9145, 0.5683, 0.3422

Monochromacy



Original Color

17.9339, 0.5889, 0.3617

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.6198, 0.4287, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9339, 0.5889, 0.3617 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, 66, 17)` looks like.

```
.text, #text, p{  
    color:rgb(212, 66, 17)  
}
```

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, 66, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 66, 17) }
```

Border

The CSS property to change the border of an element to Yxy 17.9339, 0.5889, 0.3617 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, 66, 17) }
```

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

```
.border{ border-color:rgb(212, 66, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 66, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 66, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 66, 17);  
box-shadow:4px 4px 4px 4px rgb(212, 66,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9339, 0.5889, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 66, 17) }
```

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

```
.background{ background-color: rgb(212, 66,  
17) }
```

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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