

Converting Colors

$Y_{xy}(17.6675, 0.5916, 0.3684)$

Have a look what the booklet for
Yxy(17.6675, 0.5916, 0.3684)
contains.

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Color

Yxy(17.6896, 0.5912, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	D14400
RGB	209, 68, 0
RGB Percent	82%, 27%, 0%
CMY	0.1805, 0.7332, 1.0000
CMYK	0.00, 0.67, 1.00, 0.18
HSL	20°, 100%, 41%
HSV	20°, 100%, 82%
XYZ	28.3571, 17.6896, 1.9186
YIQ	102.4070, 105.8640, 8.7440

Conversions

Conversions Part 2

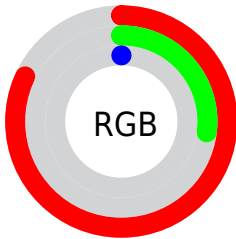
Format	Color
RYB	209, 101, 0
Decimal	13714432
CIELab	49.12, 53.42, 60.23
CIElCh	49, 80.506, 48.427
Yxy	17.6896, 0.5912, 0.3688
Android (android.graphics.Color)	4291904512 (0xFFD14400)
YUV	102.4070, -50.4867, 93.4821
Hunter-Lab	42.0590, 46.7453, 26.7367

Details

The Yxy color **17.6896, 0.5912, 0.3688** 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 **23.6352, 0.1939, 0.2180**, and the grayscale version is **13.5174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7417, 0.5264, 0.3831**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6907, 0.5912, 0.3688**, and if you desaturate by 10%, it is **19.6601, 0.5657, 0.3777**.

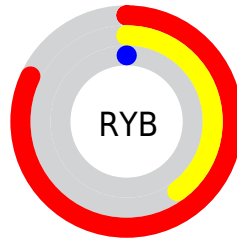
Distribution



Red (82%)

Green (27%)

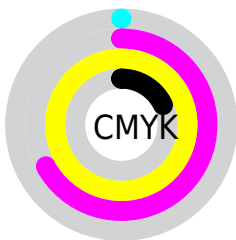
Blue (0%)



Red (82%)

Yellow (40%)

Blue (0%)

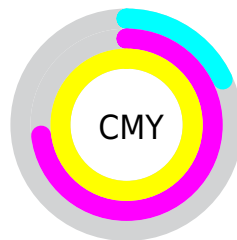


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6896, 0.5912, 0.3688 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 17.6896, 0.5912, 0.3688 by changing the saturation by 10% instead.


 17.6896, 0.5912,
0.3688


 17.6896, 0.5912,
0.3688


 239.1156, 0.4428,
0.3699


 10.7274, 0.6252,
0.3580


 39.5077, 0.5388,
0.3770


 5.8838, 0.6631,
0.3369

 55.1324, 0.5183,
0.3776


 2.7746, 0.7018,
0.2982

 74.4133, 0.5007,
0.3771

 1.0152, 0.7600,
0.2400

 97.7348, 0.4857,
0.3760

 0.0000, 1.0000,
0.0000

 125.4815, 0.4727,
0.3746


 0.0000, 0.0000,
0.0000

 158.0375, 0.4614,


0.3731

 195.7875, 0.4515,
0.3715

 17.6896, 0.5912,
0.3688


 17.6896, 0.5912,
0.3688


 17.6907, 0.5912,
0.3688

 19.6601, 0.5657,
0.3777

 22.1246, 0.5343,
0.3825

 25.1284, 0.4991,
0.3825

 28.7049, 0.4633,
0.3785

 32.8844, 0.4294,
0.3719

■ 37.6949, 0.3988,
0.3636

■ 43.1624, 0.3720,
0.3547

■ 49.3113, 0.3489,
0.3458

■ 56.1648, 0.3293,
0.3371

Harmonies

Analogous

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



17.6896, 0.5655, 0.2890



17.6896, 0.5912, 0.3688



17.6896, 0.5236, 0.4657

Triad

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



17.6896, 0.5912, 0.3688



17.6896, 0.1735, 0.4910



17.6896, 0.1667, 0.1352

Complementary

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



17.6896, 0.5912, 0.3688



23.6352, 0.1939, 0.2180

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.



17.6896, 0.1110, 0.1395



17.6896, 0.5912, 0.3688



17.6896, 0.1086, 0.2962

Square

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



17.6896, 0.5912, 0.3688



17.6896, 0.2847, 0.6183



17.6896, 0.0925, 0.1834



17.6896, 0.2745, 0.1612

Rectangle

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



17.6896, 0.5912, 0.3688



17.6896, 0.4503, 0.5389



17.6896, 0.0925, 0.1834



17.6896, 0.1431, 0.1331

Sweetspot

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



17.6907, 0.5912, 0.3688



67.3982, 0.3728, 0.3550



15.5293, 0.4219, 0.2098



13.6189, 0.3839, 0.3589



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.



17.6907, 0.5912, 0.3688



27.4494, 0.5931, 0.3672



42.5518, 0.4562, 0.4760



12.4278, 0.3283, 0.3366



11.0705, 0.5886, 0.3709



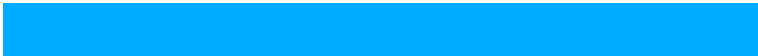
0.7625, 0.5524, 0.3996

Inverse Universe

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



23.6352, 0.1939, 0.2180



36.7179, 0.1935, 0.2166



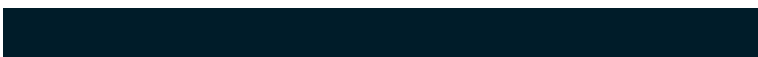
6.0087, 0.1545, 0.0760



12.7312, 0.2983, 0.3213



14.7622, 0.1944, 0.2198



0.9665, 0.2006, 0.2422

Previews

White Background



This preview shows how the Yxy color 17.6896, 0.5912, 0.3688 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 17.6896, 0.5912, 0.3688 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 17.6896, 0.5912, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 17.6896, 0.5912, 0.3688.



This preview shows how white text looks on a background with the Yxy color 17.6896, 0.5912, 0.3688.

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

17.6896, 0.5912, 0.3688

Protanopia

17.9203, 0.4312, 0.4788

Deuteranopia

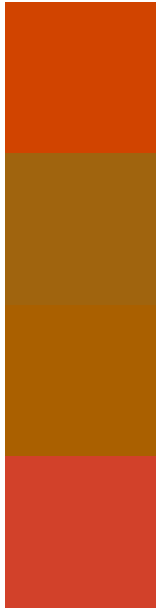
17.8842, 0.4690, 0.4658



Tritanopia

17.6500, 0.5433, 0.3268

Trichromacy



Original Color

17.6896, 0.5912, 0.3688

Protanomaly

16.6196, 0.4987, 0.4332

Deuteranomaly

16.9118, 0.5211, 0.4245

Tritanomaly

17.6494, 0.5708, 0.3487

Monochromacy



Original Color

17.6896, 0.5912, 0.3688

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.3567, 0.4367, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6896, 0.5912, 0.3688 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(209, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 68, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.6896, 0.5912, 0.3688 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(209, 68, 0) }
```

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

```
.border{ border-color:rgb(209, 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(209, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.6896, 0.5912, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 68, 0) }
```

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

```
.background{ background-color: rgb(209, 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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