

Converting Colors

$Y_{xy}(17.5723, 0.5728, 0.3833)$

Have a look what the booklet for
Yxy(17.5723, 0.5728, 0.3833)
contains.

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Color

Yxy(17.5909, 0.5728, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	C74E00
RGB	199, 78, 0
RGB Percent	78%, 31%, 0%
CMY	0.2195, 0.6941, 1.0000
CMYK	0.00, 0.61, 1.00, 0.22
HSL	24°, 100%, 39%
HSV	24°, 100%, 78%
XYZ	26.2808, 17.5909, 2.0096
YIQ	105.2870, 97.1540, 1.3940

Conversions

Conversions Part 2

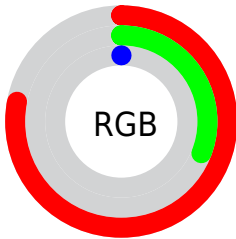
Format	Color
R_{YB}	199, 128, 0
Decimal	13061632
CIE _{Lab}	49.00, 45.58, 59.21
CIE _{LCh}	49, 74.723, 52.408
Yxy	17.5909, 0.5728, 0.3834
Android (android.graphics.Color)	4291251712 (0xFFC74E00)
YUV	105.2870, -51.9065, 82.1863
Hunter-Lab	41.9415, 38.4516, 26.5182

Details

The Yxy color **17.5909, 0.5728, 0.3834** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.8049, 0.1874, 0.1945**, and the grayscale version is **14.3323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8188, 0.5177, 0.3902**, and **5.8922, 0.6210, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **17.5920, 0.5728, 0.3834**, and if you desaturate by 10%, it is **19.5227, 0.5485, 0.3916**.

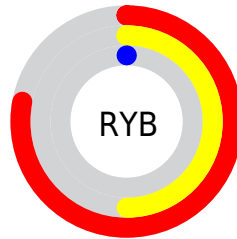
Distribution



Red (78%)

Green (31%)

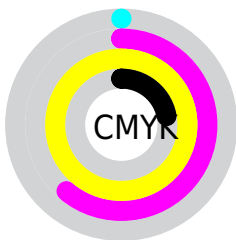
Blue (0%)



Red (78%)

Yellow (50%)

Blue (0%)

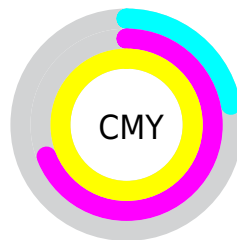


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5909, 0.5728, 0.3834 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 17.5909, 0.5728, 0.3834 by changing the saturation by 10% instead.


 17.5909, 0.5728,
0.3834


 17.5909, 0.5728,
0.3834


 238.5549, 0.4336,
0.3742


 10.6567, 0.6048,
0.3754


 39.3390, 0.5234,
0.3873


 5.8365, 0.6416,
0.3584

 54.9216, 0.5041,
0.3864


 2.7459, 0.6773,
0.3227

 74.1559, 0.4876,
0.3847

 1.0006, 0.7326,
0.2674

 97.4261, 0.4736,
0.3827


 0.0000, 1.0000,
0.0000


 125.1168, 0.4614,
0.3805


 0.0000, 0.0000,
0.0000


 157.6122, 0.4509,


0.3783

 195.2968, 0.4417,
0.3762

 17.5909, 0.5728,
0.3834

 17.5909, 0.5728,
0.3834


 17.5920, 0.5728,
0.3834

 19.5227, 0.5485,
0.3916

 21.8377, 0.5197,
0.3953

 24.5697, 0.4878,
0.3940

 27.7423, 0.4552,
0.3885

 31.3769, 0.4241,
0.3803

■ 35.4929, 0.3956,
0.3703

■ 40.1087, 0.3703,
0.3597

■ 45.2415, 0.3481,
0.3490

■ 50.9077, 0.3291,
0.3387

Harmonies

Analogous

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



17.5909, 0.5591, 0.3037



17.5909, 0.5728, 0.3834



17.5909, 0.5031, 0.4771

Triad

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



17.5909, 0.5728, 0.3834



17.5909, 0.1717, 0.4537



17.5909, 0.1850, 0.1456

Complementary

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



17.5909, 0.5728, 0.3834



17.8049, 0.1874, 0.1945

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.



17.5909, 0.1247, 0.1461



17.5909, 0.5728, 0.3834



17.5909, 0.1144, 0.2813

Square

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



17.5909, 0.5728, 0.3834



17.5909, 0.2753, 0.5905



17.5909, 0.1025, 0.1837



17.5909, 0.2953, 0.1748

Rectangle

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



17.5909, 0.5728, 0.3834



17.5909, 0.4323, 0.5429



17.5909, 0.1025, 0.1837



17.5909, 0.1599, 0.1423

Sweetspot

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



17.5920, 0.5728, 0.3834



69.8403, 0.3713, 0.3602



13.5676, 0.4480, 0.2242



14.1891, 0.3818, 0.3648



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.



17.5920, 0.5728, 0.3834



30.3611, 0.5753, 0.3814



43.1157, 0.4415, 0.4876



11.3074, 0.3280, 0.3381



11.4695, 0.5703, 0.3853



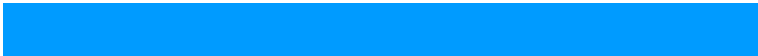
0.6835, 0.5318, 0.4159

Inverse Universe

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



17.8049, 0.1874, 0.1945



30.6856, 0.1868, 0.1925



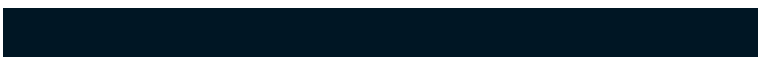
4.7458, 0.1522, 0.0680



11.3427, 0.2984, 0.3197



11.6215, 0.1879, 0.1965



0.6883, 0.1964, 0.2272

Previews

White Background



This preview shows how the Yxy color 17.5909, 0.5728, 0.3834 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 17.5909, 0.5728, 0.3834 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 17.5909, 0.5728, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 17.5909, 0.5728, 0.3834.



This preview shows how white text looks on a background with the Yxy color 17.5909, 0.5728, 0.3834.

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

17.5909, 0.5728, 0.3834

Protanopia

17.6786, 0.4335, 0.4789

Deuteranopia

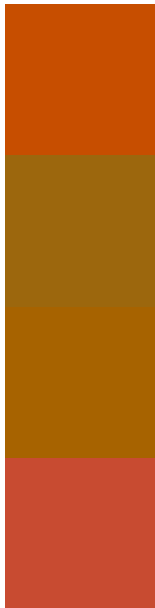
17.6648, 0.4706, 0.4645



Tritanopia

17.7184, 0.5102, 0.3251

Trichromacy



Original Color

17.5909, 0.5728, 0.3834

Protanomaly

16.7975, 0.4894, 0.4412

Deuteranomaly

17.1392, 0.5129, 0.4310

Tritanomaly

17.5333, 0.5455, 0.3557

Monochromacy



Original Color

17.5909, 0.5728, 0.3834

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0786, 0.4254, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5909, 0.5728, 0.3834 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(199, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 78, 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(199, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 78, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.5909, 0.5728, 0.3834 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(199, 78, 0) }
```

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

```
.border{ border-color:rgb(199, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 78, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5909, 0.5728, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 78, 0) }
```

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

```
.background{ background-color: rgb(199, 78,  
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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