

Converting Colors

$Y_{xy}(18.0241, 0.5700, 0.3769)$

Have a look what the booklet for
Yxy(18.0241, 0.5700, 0.3769)
contains.

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Color

Yxy(17.9017, 0.5703, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	CA4D10
RGB	202, 77, 16
RGB Percent	79%, 30%, 6%
CMY	0.2079, 0.6980, 0.9371
CMYK	0.00, 0.62, 0.92, 0.21
HSL	20°, 85%, 43%
HSV	20°, 92%, 79%
XYZ	27.1020, 17.9017, 2.5187
YIQ	107.4210, 94.0810, 7.5290

Conversions

Conversions Part 2

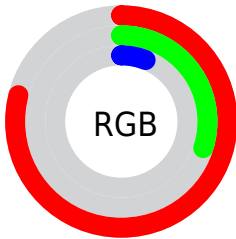
Format	Color
R_{YB}	202, 107, 16
Decimal	13258000
CIE _{Lab}	49.38, 47.30, 55.73
CIE _{LCh}	49, 73.099, 49.678
Yxy	17.9017, 0.5703, 0.3767
Android (android.graphics.Color)	4291448080 (0xFFCA4D10)
YUV	107.4210, -45.0706, 82.9458
Hunter-Lab	42.3104, 40.2955, 26.0878

Details

The Yxy color **17.9017, 0.5703, 0.3767** 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 **23.4260, 0.1978, 0.2271**, and the grayscale version is **14.9378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6549, 0.5122, 0.3835**, and **6.0412, 0.6251, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **16.4790, 0.5902, 0.3696**, and if you desaturate by 10%, it is **20.0966, 0.5401, 0.3824**.

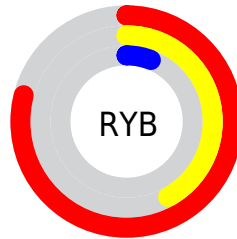
Distribution



Red (79%)

Green (30%)

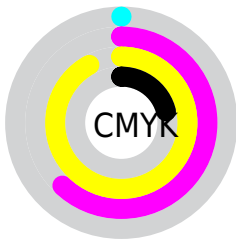
Blue (6%)



Red (79%)

Yellow (42%)

Blue (6%)

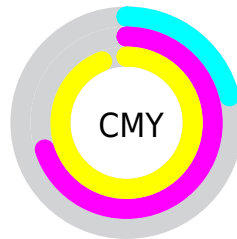


Cyan (0%)

Magenta (62%)

Yellow (92%)

Black (21%)



Cyan (21%)


Magenta (70%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9017, 0.5703, 0.3767 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 17.9017, 0.5703, 0.3767 by changing the saturation by 10% instead.


 17.9017, 0.5703,
0.3767


 17.9017, 0.5703,
0.3767


240.3164, 0.4308,
0.3694


 10.8794, 0.6026,
0.3686


 39.8698, 0.5200,
0.3806


 5.9858, 0.6454,
0.3546

 55.5843, 0.5006,
0.3799


 2.8365, 0.6813,
0.3187

 74.9651, 0.4842,
0.3785

 1.0470, 0.7364,
0.2636

 98.3966, 0.4703,
0.3767


 0.0000, 1.0000,
0.0000


 126.2630, 0.4583,
0.3749


 0.0000, 0.0000,
0.0000


 158.9489, 0.4479,

0.3730

 196.8385, 0.4388,
0.3711


 17.9017, 0.5703,
0.3767


 17.9017, 0.5703,
0.3767


 16.4790, 0.5902,
0.3696

 20.0966, 0.5401,
0.3824

 22.7793, 0.5055,
0.3833

 25.9820, 0.4698,
0.3799

 29.7330, 0.4356,
0.3736

 34.0581, 0.4044,
0.3656

■ 38.9812, 0.3769,
0.3567

■ 44.5251, 0.3532,
0.3477

■ 50.7110, 0.3330,
0.3389

■ 57.5593, 0.3159,
0.3306

Harmonies

Analogous

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



17.9017, 0.5464, 0.2984



17.9017, 0.5703, 0.3767



17.9017, 0.5088, 0.4671

Triad

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



17.9017, 0.5703, 0.3767



17.9017, 0.1831, 0.4663



17.9017, 0.1805, 0.1477

Complementary

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



17.9017, 0.5703, 0.3767



23.4260, 0.1978, 0.2271

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.



17.9017, 0.1247, 0.1513



17.9017, 0.5703, 0.3767



17.9017, 0.1214, 0.2959

Square

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



17.9017, 0.5703, 0.3767



17.9017, 0.2881, 0.5870



17.9017, 0.1057, 0.1930



17.9017, 0.2841, 0.1740

Rectangle

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



17.9017, 0.5703, 0.3767



17.9017, 0.4417, 0.5312



17.9017, 0.1057, 0.1930



17.9017, 0.1571, 0.1454

Sweetspot

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



17.9027, 0.5703, 0.3767



69.3368, 0.3678, 0.3534



14.9127, 0.4111, 0.2078



13.9970, 0.3787, 0.3573



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.



17.9027, 0.5703, 0.3767



27.5426, 0.5925, 0.3677



40.5590, 0.4506, 0.4756



11.8046, 0.3282, 0.3367



10.7516, 0.5878, 0.3715



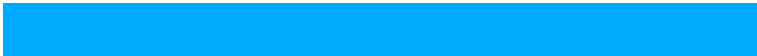
0.6932, 0.5492, 0.4021

Inverse Universe

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



23.4260, 0.1978, 0.2271



36.4878, 0.1933, 0.2158



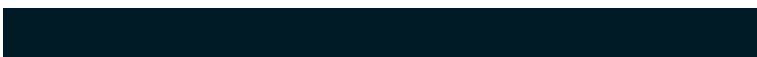
6.6666, 0.1598, 0.0886



12.0828, 0.2983, 0.3212



14.1990, 0.1942, 0.2191



0.8674, 0.2009, 0.2431

Previews

White Background



This preview shows how the Yxy color 17.9017, 0.5703, 0.3767 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 17.9017, 0.5703, 0.3767 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 17.9017, 0.5703, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 17.9017, 0.5703, 0.3767.



This preview shows how white text looks on a background with the Yxy color 17.9017, 0.5703, 0.3767.

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

17.9017, 0.5703, 0.3767

Protanopia

18.0225, 0.4300, 0.4740

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.9939, 0.5156, 0.3252

Trichromacy



Original Color

17.9017, 0.5703, 0.3767

Protanomaly

17.0315, 0.4870, 0.4342

Deuteranomaly

17.2617, 0.5120, 0.4281

Tritanomaly

17.8604, 0.5431, 0.3497

Monochromacy



Original Color

17.9017, 0.5703, 0.3767

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6109, 0.4184, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9017, 0.5703, 0.3767 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(202, 77, 16)` looks like.

```
.text, #text, p{  
    color:rgb(202, 77, 16)  
}
```

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(202, 77, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 77, 16) }
```

Border

The CSS property to change the border of an element to Yxy 17.9017, 0.5703, 0.3767 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(202, 77, 16) }
```

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

```
.border{ border-color:rgb(202, 77, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 77, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 77, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 77, 16);  
box-shadow:4px 4px 4px 4px rgb(202, 77,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9017, 0.5703, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 77, 16) }
```

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

```
.background{ background-color: rgb(202, 77,  
16) }
```

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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