

Converting Colors

$Y_{xy}(17.7884, 0.5825, 0.3688)$

Have a look what the booklet for
Yxy(17.7884, 0.5825, 0.3688)
contains.

Yxy(17.8009, 0.5822, 0.3693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(17.8009, 0.5822, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	CF470D
RGB	207, 71, 13
RGB Percent	81%, 28%, 5%
CMY	0.1881, 0.7216, 0.9490
CMYK	0.00, 0.66, 0.94, 0.19
HSL	18°, 88%, 43%
HSV	18°, 94%, 81%
XYZ	28.0630, 17.8009, 2.3378
YIQ	105.0520, 99.6740, 10.7940

Conversions

Conversions Part 2

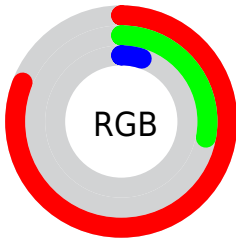
Format	Color
RYB	207, 96, 13
Decimal	13584141
CIELab	49.25, 51.68, 56.92
CIElCh	49, 76.878, 47.764
Yxy	17.8009, 0.5822, 0.3693
Android (android.graphics.Color)	4291774221 (0xFFCF470D)
YUV	105.0520, -45.3816, 89.4084
Hunter-Lab	42.1911, 44.8933, 26.2486

Details

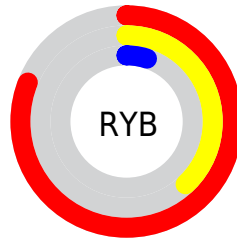
The Yxy color **17.8009, 0.5822, 0.3693** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.1027, 0.1995, 0.2347**, and the grayscale version is **14.2454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3325, 0.5185, 0.3799**, and **5.9727, 0.6387, 0.3311** is the 20% darker color. If you saturate the color by 10%, you get **16.6988, 0.5977, 0.3636**, and if you desaturate by 10%, it is **19.9582, 0.5523, 0.3761**.

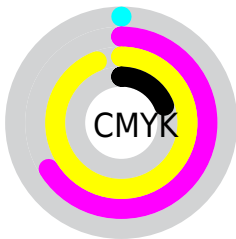
Distribution



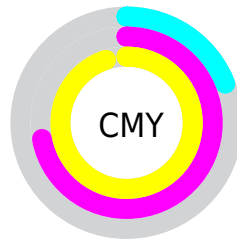
- Red (81%)
- Green (28%)
- Blue (5%)



- Red (81%)
- Yellow (38%)
- Blue (5%)



- Cyan (0%)
- Magenta (66%)
- Yellow (94%)
- Black (19%)



- Cyan (19%)
- Magenta (72%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8009, 0.5822, 0.3693 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 17.8009, 0.5822, 0.3693 by changing the saturation by 10% instead.


 17.8009, 0.5822,
0.3693

 17.8009, 0.5822,
0.3693


239.7464, 0.4369,
0.3677


 10.8071, 0.6156,
0.3594


 39.6978, 0.5301,
0.3758


 5.9373, 0.6580,
0.3420

 55.3697, 0.5099,
0.3759


 2.8070, 0.6958,
0.3042

 74.7031, 0.4928,
0.3751

 1.0318, 0.7530,
0.2470

 98.0824, 0.4782,
0.3739

 0.0000, 1.0000,
0.0000


 125.8920, 0.4656,
0.3724

 0.0000, 0.0000,
0.0000


 158.5162, 0.4548,


0.3708

 196.3396, 0.4452,
0.3693


 17.8009, 0.5822,
0.3693


 17.8009, 0.5822,
0.3693


 16.6988, 0.5977,
0.3636

 19.9582, 0.5523,
0.3761

 22.6560, 0.5170,
0.3782

 25.9330, 0.4798,
0.3760

 29.8228, 0.4439,
0.3708

 34.3563, 0.4111,
0.3637

■ 39.5621, 0.3822,
0.3557

■ 45.4671, 0.3574,
0.3474

■ 52.0966, 0.3363,
0.3394

■ 59.4745, 0.3186,
0.3317

Harmonies

Analogous

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



17.8009, 0.5527, 0.2905



17.8009, 0.5822, 0.3693



17.8009, 0.5201, 0.4621

Triad

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



17.8009, 0.5822, 0.3693



17.8009, 0.1821, 0.4866



17.8009, 0.1701, 0.1407

Complementary

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



17.8009, 0.5822, 0.3693



26.1027, 0.1995, 0.2347

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.



17.8009, 0.1161, 0.1461



17.8009, 0.5822, 0.3693



17.8009, 0.1163, 0.3024

Square

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



17.8009, 0.5822, 0.3693



17.8009, 0.2915, 0.6044



17.8009, 0.0987, 0.1910



17.8009, 0.2737, 0.1657

Rectangle

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



17.8009, 0.5822, 0.3693



17.8009, 0.4508, 0.5310



17.8009, 0.0987, 0.1910



17.8009, 0.1473, 0.1390

Sweetspot

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



17.8019, 0.5822, 0.3693



68.3354, 0.3684, 0.3513



15.8256, 0.4020, 0.2016



13.7614, 0.3795, 0.3549



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.



17.8019, 0.5822, 0.3693



26.4559, 0.5998, 0.3620



40.2034, 0.4590, 0.4700



12.3759, 0.3283, 0.3360



10.6638, 0.5953, 0.3655



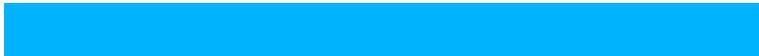
0.7349, 0.5586, 0.3946

Inverse Universe

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



26.1027, 0.1995, 0.2347



39.3819, 0.1962, 0.2264



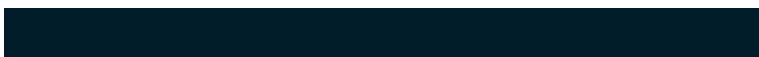
7.3284, 0.1602, 0.0917



12.7857, 0.2983, 0.3219



15.7978, 0.1970, 0.2293



1.0184, 0.2027, 0.2498

Previews

White Background



This preview shows how the Yxy color 17.8009, 0.5822, 0.3693 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 17.8009, 0.5822, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

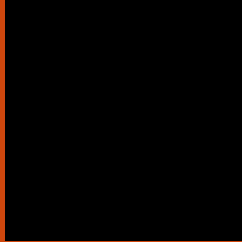
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8009, 0.5822, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 17.8009, 0.5822, 0.3693.



This preview shows how white text looks on a background with the Yxy color 17.8009, 0.5822, 0.3693.

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

17.8009, 0.5822, 0.3693

Protanopia

17.9370, 0.4291, 0.4757

Tritanopia

17.7485, 0.5333, 0.3256

Trichromacy



Original Color

17.8009, 0.5822, 0.3693

Protanomaly

16.7324, 0.4925, 0.4318

Tritanomaly

17.7659, 0.5590, 0.3468

Monochromacy



Original Color

17.8009, 0.5822, 0.3693

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.0474, 0.4243, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8009, 0.5822, 0.3693 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(207, 71, 13)` looks like.

```
.text, #text, p{  
    color:rgb(207, 71, 13)  
}
```

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(207, 71, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 71, 13) }
```

Border

The CSS property to change the border of an element to Yxy 17.8009, 0.5822, 0.3693 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(207, 71, 13) }
```

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

```
.border{ border-color:rgb(207, 71, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 71, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 71, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 71, 13);  
box-shadow:4px 4px 4px 4px rgb(207, 71,  
13) }
```

Background

The CSS property to change the background color of an element to Yxy 17.8009, 0.5822, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 71, 13) }
```

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

```
.background{ background-color: rgb(207, 71,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor