

Converting Colors

$Y_{xy}(17.4640, 0.5566, 0.3901)$

Have a look what the booklet for
Yxy(17.4640, 0.5566, 0.3901)
contains.

Yxy(17.4171, 0.5572, 0.3899)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4171, 0.5572, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	C0530B
RGB	192, 83, 11
RGB Percent	75%, 33%, 4%
CMY	0.2471, 0.6745, 0.9573
CMYK	0.00, 0.57, 0.94, 0.25
HSL	24°, 89%, 40%
HSV	24°, 94%, 75%
XYZ	24.8905, 17.4171, 2.3631
YIQ	107.3830, 88.0760, 0.7160

Conversions

Conversions Part 2

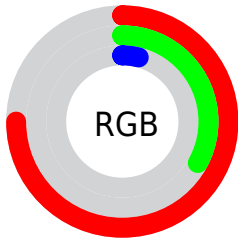
Format	Color
RYB	192, 131, 11
Decimal	12604171
CIELab	48.78, 40.66, 55.90
CIElCh	49, 69.128, 53.971
Yxy	17.4171, 0.5572, 0.3899
Android (android.graphics.Color)	4290794251 (0xFFC0530B)
YUV	107.3830, -47.5168, 74.2091
Hunter-Lab	41.7338, 33.4253, 25.8565

Details

The Yxy color **17.4171, 0.5572, 0.3899** 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 **17.2779, 0.1902, 0.2010**, and the grayscale version is **14.9292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9813, 0.5096, 0.3903**, and **5.8053, 0.6059, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **16.4383, 0.5706, 0.3851**, and if you desaturate by 10%, it is **19.4064, 0.5307, 0.3957**.

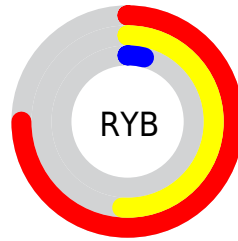
Distribution



Red (75%)

Green (33%)

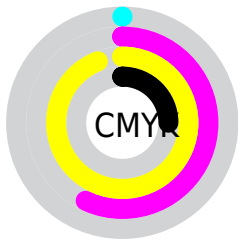
Blue (4%)



Red (75%)

Yellow (51%)

Blue (4%)

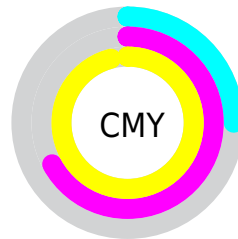


Cyan (0%)

Magenta (57%)

Yellow (94%)

Black (25%)



Cyan (25%)


Magenta (67%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4171, 0.5572, 0.3899 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 17.4171, 0.5572, 0.3899 by changing the saturation by 10% instead.


 17.4171, 0.5572,
0.3899


 17.4171, 0.5572,
0.3899


237.5647, 0.4246,
0.3741


 10.5323, 0.5880,
0.3841


 39.0415, 0.5094,
0.3905


 5.7533, 0.6278,
0.3722

 54.5500, 0.4909,
0.3886


 2.6957, 0.6613,
0.3387

 73.7018, 0.4754,
0.3862

 0.9750, 0.7144,
0.2856

 96.8813, 0.4621,
0.3836

 0.0000, 1.0000,
0.0000


 124.4730, 0.4507,
0.3811


 0.0000, 0.0000,
0.0000

 156.8611, 0.4408,


0.3786


 194.4302, 0.4322,
0.3763


 17.4171, 0.5572,
0.3899


 17.4171, 0.5572,
0.3899


 16.4383, 0.5706,
0.3851

 19.4064, 0.5307,
0.3957

 21.7626, 0.5001,
0.3963

 24.5090, 0.4679,
0.3923

 27.6654, 0.4363,
0.3849

 31.2498, 0.4069,
0.3754

■ 35.2792, 0.3804,
0.3648

■ 39.7693, 0.3571,
0.3539

■ 44.7353, 0.3369,
0.3433

■ 50.1912, 0.3195,
0.3332

Harmonies

Analogous

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



17.4171, 0.5461, 0.3116



17.4171, 0.5572, 0.3899



17.4171, 0.4915, 0.4788

Triad

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



17.4171, 0.5572, 0.3899



17.4171, 0.1772, 0.4353



17.4171, 0.1966, 0.1552

Complementary

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



17.4171, 0.5572, 0.3899



17.2779, 0.1902, 0.2010

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.



17.4171, 0.1358, 0.1546



17.4171, 0.5572, 0.3899



17.4171, 0.1232, 0.2798

Square

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



17.4171, 0.5572, 0.3899



17.4171, 0.2753, 0.5662



17.4171, 0.1125, 0.1897



17.4171, 0.3039, 0.1850

Rectangle

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



17.4171, 0.5572, 0.3899



17.4171, 0.4249, 0.5378



17.4171, 0.1125, 0.1897



17.4171, 0.1715, 0.1516

Sweetspot

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



17.4181, 0.5572, 0.3899



68.6090, 0.3663, 0.3584



12.8619, 0.4379, 0.2217



13.9694, 0.3767, 0.3631



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.4181, 0.5572, 0.3899



29.3280, 0.5733, 0.3830



40.3049, 0.4387, 0.4867



10.7214, 0.3279, 0.3382



11.2050, 0.5684, 0.3869



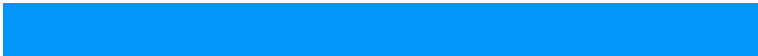
0.6188, 0.5275, 0.4193

Inverse Universe

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



17.2779, 0.1902, 0.2010



28.8300, 0.1862, 0.1903



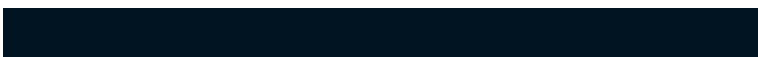
4.9099, 0.1556, 0.0751



10.7335, 0.2984, 0.3196



11.0499, 0.1874, 0.1945



0.6091, 0.1966, 0.2277

Previews

White Background



This preview shows how the Yxy color 17.4171, 0.5572, 0.3899 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 17.4171, 0.5572, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4171, 0.5572, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 17.4171, 0.5572, 0.3899.



This preview shows how white text looks on a background with the Yxy color 17.4171, 0.5572, 0.3899.

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

17.4171, 0.5572, 0.3899

Protanopia

17.6058, 0.4312, 0.4785

Deuteranopia

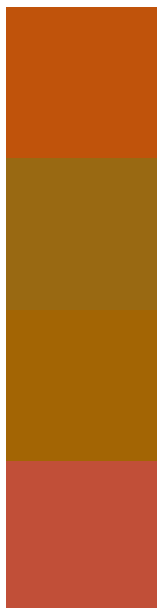
17.5719, 0.4694, 0.4655



Tritanopia

17.3863, 0.4916, 0.3234

Trichromacy



Original Color

17.4171, 0.5572, 0.3899

Protanomaly

16.9191, 0.4804, 0.4442

Deuteranomaly

17.1027, 0.5039, 0.4357

Tritanomaly

17.2149, 0.5265, 0.3554

Monochromacy



Original Color

17.4171, 0.5572, 0.3899

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6065, 0.4136, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4171, 0.5572, 0.3899 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(192, 83, 11)` looks like.

```
.text, #text, p{  
    color:rgb(192, 83, 11)  
}
```

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(192, 83, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 83, 11) }
```

Border

The CSS property to change the border of an element to Yxy 17.4171, 0.5572, 0.3899 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(192, 83, 11) }
```

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

```
.border{ border-color:rgb(192, 83, 11) }
```

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

Here you see how a box with a 4 pixel rgb(192, 83, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 83, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 83, 11);  
box-shadow:4px 4px 4px 4px rgb(192, 83,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4171, 0.5572, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 83, 11) }
```

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

```
.background{ background-color: rgb(192, 83,  
11) }
```

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