

Converting Colors

$Y_{xy}(17.7983, 0.5510, 0.4007)$

Have a look what the booklet for
Yxy(17.7983, 0.5510, 0.4007)
contains.

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Color

Yxy(17.7983, 0.5510, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	BD5800
RGB	189, 88, 0
RGB Percent	74%, 35%, 0%
CMY	0.2589, 0.6548, 1.0000
CMYK	0.00, 0.53, 1.00, 0.26
HSL	28°, 100%, 37%
HSV	28°, 100%, 74%
XYZ	24.4743, 17.7983, 2.1454
YIQ	108.1670, 88.4440, -5.9560

Conversions

Conversions Part 2

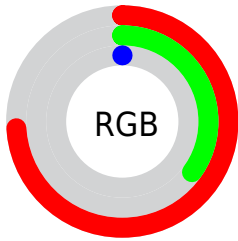
Format	Color
RYB	189, 165, 0
Decimal	12408832
CIELab	49.25, 36.85, 58.48
CIElCh	49, 69.121, 57.788
Yxy	17.7983, 0.5510, 0.4007
Android (android.graphics.Color)	4290598912 (0xFFBD5800)
YUV	108.1670, -53.3263, 70.8905
Hunter-Lab	42.1880, 29.7232, 26.5165

Details

The Yxy color **17.7983, 0.5510, 0.4007** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.9768, 0.1803, 0.1691**, and the grayscale version is **15.1811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7885, 0.5057, 0.3995**, and **5.9754, 0.5916, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **17.7992, 0.5510, 0.4007**, and if you desaturate by 10%, it is **19.6205, 0.5291, 0.4074**.

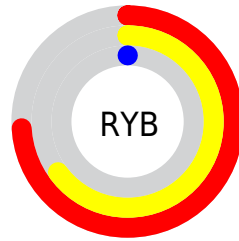
Distribution



Red (74%)

Green (35%)

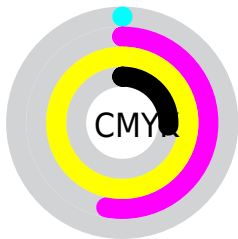
Blue (0%)



Red (74%)

Yellow (65%)

Blue (0%)

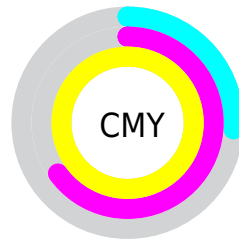


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7983, 0.5510, 0.4007 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 17.7983, 0.5510, 0.4007 by changing the saturation by 10% instead.


 17.7983, 0.5510,
0.4007


 17.7983, 0.5510,
0.4007


239.7317, 0.4235,
0.3794


 10.8053, 0.5801,
0.3964


 39.6933, 0.5057,
0.3994


 5.9361, 0.6150,
0.3850

 55.3641, 0.4880,
0.3967


 2.8062, 0.6458,
0.3542

 74.6963, 0.4729,
0.3937

 1.0314, 0.6951,
0.3049

 98.0743, 0.4600,
0.3905

 0.0000, 1.0000,
0.0000

 125.8824, 0.4490,
0.3875


 0.0000, 0.0000,
0.0000

 158.5051, 0.4393,


0.3846


 196.3267, 0.4309,
0.3819


 17.7983, 0.5510,
0.4007

 17.7983, 0.5510,
0.4007


 17.7992, 0.5510,
0.4007

 19.6205, 0.5291,
0.4074

 21.7255, 0.5037,
0.4096

 24.1393, 0.4755,
0.4066

 26.8779, 0.4465,
0.3994

 29.9561, 0.4184,
0.3894

■ 33.3873, 0.3921,
0.3776

■ 37.1841, 0.3684,
0.3651

■ 41.3582, 0.3473,
0.3526

■ 45.9208, 0.3288,
0.3405

Harmonies

Analogous

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



17.7983, 0.5513, 0.3215



17.7983, 0.5510, 0.4007



17.7983, 0.4792, 0.4901

Triad

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



17.7983, 0.5510, 0.4007



17.7983, 0.1686, 0.4130



17.7983, 0.2082, 0.1582

Complementary

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



17.7983, 0.5510, 0.4007



12.9768, 0.1803, 0.1691

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.



17.7983, 0.1421, 0.1538



17.7983, 0.5510, 0.4007



17.7983, 0.1207, 0.2650

Square

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



17.7983, 0.5510, 0.4007



17.7983, 0.2619, 0.5545



17.7983, 0.1145, 0.1836



17.7983, 0.3208, 0.1915

Rectangle

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



17.7983, 0.5510, 0.4007



17.7983, 0.4110, 0.5465



17.7983, 0.1145, 0.1836



17.7983, 0.1812, 0.1534

Sweetspot

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



17.7993, 0.5510, 0.4007



66.2621, 0.3695, 0.3657



11.8160, 0.4751, 0.2391



13.6183, 0.3792, 0.3710



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.7993, 0.5510, 0.4007



31.4120, 0.5535, 0.3987



43.2750, 0.4283, 0.4981



10.2490, 0.3277, 0.3397



12.1272, 0.5489, 0.4024



0.6060, 0.5101, 0.4332

Inverse Universe

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



12.9768, 0.1803, 0.1691



22.7583, 0.1796, 0.1666



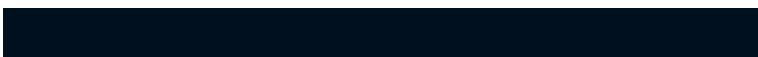
3.8789, 0.1508, 0.0630



10.0467, 0.2984, 0.3180



8.8863, 0.1809, 0.1713



0.4779, 0.1924, 0.2125

Previews

White Background



This preview shows how the Yxy color 17.7983, 0.5510, 0.4007 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 17.7983, 0.5510, 0.4007 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 17.7983, 0.5510, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 17.7983, 0.5510, 0.4007.



This preview shows how white text looks on a background with the Yxy color 17.7983, 0.5510, 0.4007.

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

17.7983, 0.5510, 0.4007

Protanopia

17.9839, 0.4348, 0.4811

Deuteranopia

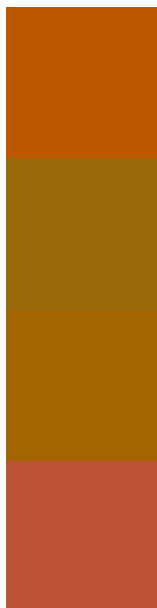
17.9779, 0.4703, 0.4648



Tritanopia

17.7991, 0.4760, 0.3231

Trichromacy



Original Color

17.7983, 0.5510, 0.4007

Protanomaly

17.3119, 0.4799, 0.4502

Deuteranomaly

17.5930, 0.5029, 0.4389

Tritanomaly

17.5636, 0.5191, 0.3633

Monochromacy



Original Color

17.7983, 0.5510, 0.4007

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.0554, 0.4136, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7983, 0.5510, 0.4007 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(189, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 88, 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(189, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7983, 0.5510, 0.4007 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(189, 88, 0) }
```

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

```
.border{ border-color:rgb(189, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.7983, 0.5510, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 88, 0) }
```

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

```
.background{ background-color: rgb(189, 88,  
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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