

Converting Colors

$Y_{xy}(17.6709, 0.5731, 0.4269)$

Have a look what the booklet for
Yxy(17.6709, 0.5731, 0.4269)
contains.

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Color

Yxy(17.8771, 0.5463, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	BB5A00
RGB	187, 90, 0
RGB Percent	73%, 35%, 0%
CMY	0.2667, 0.6470, 0.9998
CMYK	0.00, 0.52, 1.00, 0.27
HSL	29°, 100%, 37%
HSV	29°, 100%, 73%
XYZ	24.1500, 17.8771, 2.1794
YIQ	108.7430, 86.7020, -7.4260

Conversions

Conversions Part 2

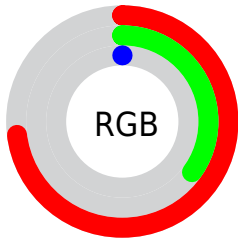
Format	Color
RYB	187, 174, 0
Decimal	12278272
CIELab	49.35, 35.02, 58.36
CIELCh	49, 68.064, 59.035
Yxy	17.8771, 0.5463, 0.4044
Android (android.graphics.Color)	4290468352 (0xFFBB5A00)
YUV	108.7430, -53.6103, 68.6314
Hunter-Lab	42.2813, 27.9623, 26.5408

Details

The Yxy color **17.8771, 0.5463, 0.4044** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.1478, 0.1789, 0.1640**, and the grayscale version is **15.3552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0069, 0.5022, 0.4023**, and **6.0215, 0.5842, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **17.8727, 0.5464, 0.4044**, and if you desaturate by 10%, it is **19.6693, 0.5250, 0.4108**.

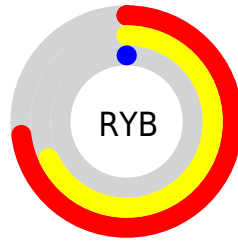
Distribution



Red (73%)

Green (35%)

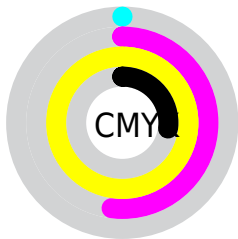
Blue (0%)



Red (73%)

Yellow (68%)

Blue (0%)

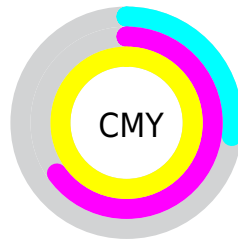


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8771, 0.5463, 0.4044 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 17.8771, 0.5463, 0.4044 by changing the saturation by 10% instead.


 17.8771, 0.5463,
0.4044


 17.8771, 0.5463,
0.4044


240.1774, 0.4214,
0.3805


 10.8618, 0.5747,
0.4009


 39.8278, 0.5019,
0.4020


 5.9740, 0.6091,
0.3909

 55.5320, 0.4846,
0.3989


 2.8293, 0.6387,
0.3613

 74.9012, 0.4698,
0.3955

 1.0433, 0.6864,
0.3136

 98.3199, 0.4572,
0.3922

 0.0000, 1.0000,
0.0000

 126.1725, 0.4463,
0.3890

 0.0000, 0.0000,
0.0000

 158.8434, 0.4369,

0.3859

 196.7169, 0.4286,
0.3831


 17.8771, 0.5463,
0.4044

 17.8771, 0.5463,
0.4044


 17.8727, 0.5464,
0.4044

 19.6693, 0.5250,
0.4108

 21.7263, 0.5003,
0.4125

 24.0724, 0.4729,
0.4091

 26.7228, 0.4446,
0.4016

 29.6910, 0.4171,
0.3912

■ 32.9895, 0.3914,
0.3791

■ 36.6299, 0.3679,
0.3662

■ 40.6232, 0.3471,
0.3533

■ 44.9796, 0.3287,
0.3408

Harmonies

Analogous

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



17.8771, 0.5496, 0.3254



17.8771, 0.5463, 0.4044



17.8771, 0.4740, 0.4927

Triad

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



17.8771, 0.5463, 0.4044



17.8771, 0.1678, 0.4048



17.8771, 0.2134, 0.1610

Complementary

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



17.8771, 0.5463, 0.4044



12.1478, 0.1789, 0.1640

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.



17.8771, 0.1460, 0.1555



17.8771, 0.5463, 0.4044



17.8771, 0.1220, 0.2617

Square

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



17.8771, 0.5463, 0.4044



17.8771, 0.2588, 0.5464



17.8771, 0.1172, 0.1836



17.8771, 0.3263, 0.1951

Rectangle

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



17.8771, 0.5463, 0.4044



17.8771, 0.4062, 0.5468



17.8771, 0.1172, 0.1836



17.8771, 0.1860, 0.1559

Sweetspot

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



17.8781, 0.5463, 0.4044



65.2516, 0.3691, 0.3669



11.4816, 0.4819, 0.2429



13.7475, 0.3788, 0.3724



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.



17.8781, 0.5463, 0.4044



31.5411, 0.5488, 0.4024



43.5186, 0.4252, 0.5005



10.2734, 0.3277, 0.3401



12.4576, 0.5444, 0.4059



0.6190, 0.5069, 0.4357

Inverse Universe

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



12.1478, 0.1789, 0.1640



21.2691, 0.1782, 0.1613



3.7248, 0.1506, 0.0621



10.0222, 0.2984, 0.3177



8.5114, 0.1795, 0.1660



0.4638, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 17.8771, 0.5463, 0.4044 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 17.8771, 0.5463, 0.4044 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 17.8771, 0.5463, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 17.8771, 0.5463, 0.4044.



This preview shows how white text looks on a background with the Yxy color 17.8771, 0.5463, 0.4044.

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

17.8771, 0.5463, 0.4044

Protanopia

17.9839, 0.4348, 0.4811

Deuteranopia

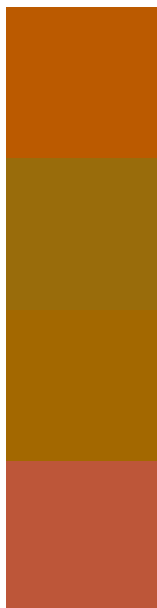
17.9779, 0.4703, 0.4648



Tritanopia

18.0091, 0.4700, 0.3230

Trichromacy



Original Color

17.8771, 0.5463, 0.4044

Protanomaly

17.5216, 0.4783, 0.4516

Deuteranomaly

17.6872, 0.5001, 0.4411

Tritanomaly

17.7698, 0.5133, 0.3641

Monochromacy



Original Color

17.8771, 0.5463, 0.4044

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2508, 0.4127, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8771, 0.5463, 0.4044 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(187, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 90, 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(187, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.8771, 0.5463, 0.4044 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(187, 90, 0) }
```

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

```
.border{ border-color:rgb(187, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.8771, 0.5463, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 90, 0) }
```

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

```
.background{ background-color: rgb(187, 90,  
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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