

Converting Colors

$Y_{xy}(17.6971, 0.5041, 0.4379)$

Have a look what the booklet for
Yxy(17.6971, 0.5041, 0.4379)
contains.

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Color

Yxy(17.6998, 0.5040, 0.4380)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A56700 |
| RGB | 165, 103, 0 |
| RGB Percent | 65%, 40%, 0% |
| CMY | 0.3530, 0.5961, 0.9999 |
| CMYK | 0.00, 0.38, 1.00, 0.35 |
| HSL | 37°, 100%, 32% |
| HSV | 37°, 100%, 65% |
| XYZ | 20.3669, 17.6998, 2.3438 |
| YIQ | 109.7960, 70.0150, -18.8890 |

Conversions

Conversions Part 2

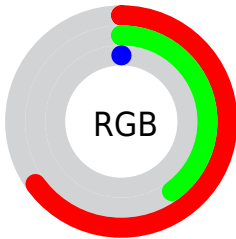
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 99, 165, 0 |
| Decimal | 10839808 |
| CIE Lab | 49.13, 18.47, 56.66 |
| CIE LCh | 49, 59.592, 71.944 |
| Yxy | 17.6998, 0.5040, 0.4380 |
| Android (android.graphics.Color) | 4289029888 (0xFFA56700) |
| YUV | 109.7960, -54.1294, 48.4139 |
| Hunter-Lab | 42.0711, 12.7885, 26.1467 |

Details

The Yxy color **17.6998, 0.5040, 0.4380** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1647, 0.1669, 0.1208**, and the grayscale version is **15.6762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4666, 0.4684, 0.4252**, and **5.9541, 0.5271, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **17.6980, 0.5040, 0.4380**, and if you desaturate by 10%, it is **19.0193, 0.4886, 0.4403**.

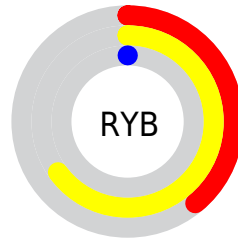
Distribution



Red (65%)

Green (40%)

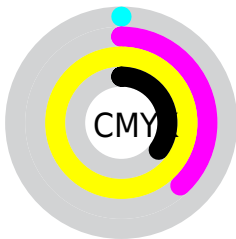
Blue (0%)



Red (39%)

Yellow (65%)

Blue (0%)

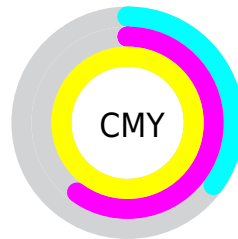


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6998, 0.5040, 0.4380 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 17.6998, 0.5040, 0.4380 by changing the saturation by 10% instead.


 17.6998, 0.5040,
0.4380


 17.6998, 0.5040,
0.4380

239.1735, 0.4022,
0.3899


 10.7347, 0.5264,
0.4424


 39.5251, 0.4680,
0.4249


 5.8887, 0.5551,
0.4449

 55.1541, 0.4539,
0.4184


 2.7775, 0.5731,
0.4269

 74.4398, 0.4418,
0.4123

 1.0167, 0.6039,
0.3961

 97.7667, 0.4315,
0.4069


 0.0000, 1.0000,
0.0000


 125.5191, 0.4226,
0.4019


 0.0000, 0.0000,
0.0000


 158.0815, 0.4149,


0.3975


 195.8381, 0.4081,
0.3935


 17.6998, 0.5040,
0.4380


 17.6998, 0.5040,
0.4380


 17.6980, 0.5040,
0.4380

 19.0193, 0.4886,
0.4403

 20.4634, 0.4708,
0.4385

 22.0480, 0.4504,
0.4319

 23.7808, 0.4286,
0.4213

 25.6686, 0.4064,
0.4078

■ 27.7175, 0.3848,
0.3925

■ 29.9329, 0.3644,
0.3763

■ 32.3203, 0.3454,
0.3600

■ 34.8846, 0.3282,
0.3441

Harmonies

Analogous

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



17.6998, 0.5330, 0.3613



17.6998, 0.5040, 0.4380



17.6998, 0.4256, 0.5124

Triad

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



17.6998, 0.5040, 0.4380



17.6998, 0.1597, 0.3377



17.6998, 0.2636, 0.1862

Complementary

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



17.6998, 0.5040, 0.4380



6.1647, 0.1669, 0.1208

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.



17.6998, 0.1833, 0.1695



17.6998, 0.5040, 0.4380



17.6998, 0.1328, 0.2339

Square

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



17.6998, 0.5040, 0.4380



17.6998, 0.2282, 0.4721



17.6998, 0.1413, 0.1824



17.6998, 0.3776, 0.2289

Rectangle

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



17.6998, 0.5040, 0.4380



17.6998, 0.3602, 0.5418



17.6998, 0.1413, 0.1824



17.6998, 0.2323, 0.1776

Sweetspot

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



17.7007, 0.5040, 0.4380



53.3758, 0.3655, 0.3772



8.3616, 0.5424, 0.2762



11.3166, 0.3735, 0.3837



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.7007, 0.5040, 0.4380



31.2955, 0.5059, 0.4365



32.9971, 0.3991, 0.5213



7.7878, 0.3270, 0.3430



13.4876, 0.5029, 0.4389



0.3698, 0.4659, 0.4682

Inverse Universe

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



6.1647, 0.1669, 0.1208



10.6751, 0.1660, 0.1176



2.8585, 0.1546, 0.0626



7.2758, 0.2987, 0.3146



4.7516, 0.1674, 0.1226



0.1888, 0.1878, 0.1962

Previews

White Background



This preview shows how the Yxy color 17.6998, 0.5040, 0.4380 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 17.6998, 0.5040, 0.4380 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 17.6998, 0.5040, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 17.6998, 0.5040, 0.4380.



This preview shows how white text looks on a background with the Yxy color 17.6998, 0.5040, 0.4380.

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

17.6998, 0.5040, 0.4380

Protanopia

17.8889, 0.4352, 0.4847

Deuteranopia

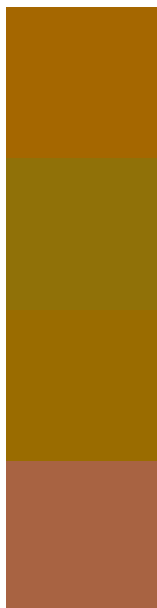
17.6648, 0.4706, 0.4645



Tritanopia

17.7800, 0.4119, 0.3185

Trichromacy



Original Color

17.6998, 0.5040, 0.4380

Protanomaly

17.7571, 0.4599, 0.4680

Deuteranomaly

17.5951, 0.4830, 0.4547

Tritanomaly

17.6419, 0.4628, 0.3781

Monochromacy



Original Color

17.6998, 0.5040, 0.4380

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.7034, 0.3964, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6998, 0.5040, 0.4380 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(165, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 103, 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(165, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.6998, 0.5040, 0.4380 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(165, 103, 0) }
```

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

```
.border{ border-color:rgb(165, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6998, 0.5040, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 103, 0) }
```

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

```
.background{ background-color: rgb(165,  
103, 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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