

Converting Colors

$Y_{xy}(17.8226, 0.5146, 0.4296)$

Have a look what the booklet for
Yxy(17.8226, 0.5146, 0.4296)
contains.

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Color

Yxy(17.7723, 0.5154, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	AB6400
RGB	171, 100, 0
RGB Percent	67%, 39%, 0%
CMY	0.3294, 0.6078, 1.0000
CMYK	0.00, 0.42, 1.00, 0.33
HSL	35°, 100%, 34%
HSV	35°, 100%, 67%
XYZ	21.3516, 17.7723, 2.3034
YIQ	109.8290, 74.4160, -16.0480

Conversions

Conversions Part 2

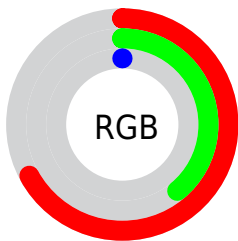
Format	Color
R_{YB}	121, 171, 0
Decimal	11232256
CIE Lab	49.22, 22.83, 57.13
CIE LCh	49, 61.527, 68.215
Yxy	17.7723, 0.5154, 0.4290
Android (android.graphics.Color)	4289422336 (0xFFAB6400)
YUV	109.8290, -54.1457, 53.6470
Hunter-Lab	42.1572, 16.6309, 26.2706

Details

The Yxy color **17.7723, 0.5154, 0.4290** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4460, 0.1699, 0.1318**, and the grayscale version is **15.6843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6368, 0.4776, 0.4187**, and **5.9910, 0.5418, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **17.7734, 0.5154, 0.4290**, and if you desaturate by 10%, it is **19.2360, 0.4983, 0.4325**.

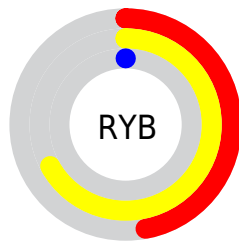
Distribution



Red (67%)

Green (39%)

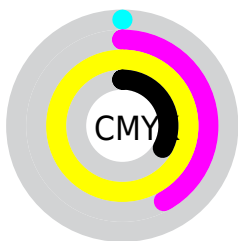
Blue (0%)



Red (47%)

Yellow (67%)

Blue (0%)

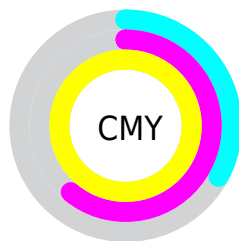


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7723, 0.5154, 0.4290 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 17.7723, 0.5154, 0.4290 by changing the saturation by 10% instead.


 17.7723, 0.5154,
0.4290


 17.7723, 0.5154,
0.4290


 239.5845, 0.4073,
0.3875


 10.7866, 0.5395,
0.4312


 39.6489, 0.4771,
0.4188


 5.9235, 0.5699,
0.4301

 55.3087, 0.4620,
0.4132


 2.7986, 0.5914,
0.4086

 74.6286, 0.4493,
0.4079

 1.0275, 0.6274,
0.3726

 97.9931, 0.4383,
0.4030


 0.0000, 1.0000,
0.0000

 125.7866, 0.4289,
0.3985

 0.0000, 0.0000,
0.0000

 158.3933, 0.4207,

0.3945

 196.1978, 0.4136,
0.3908

 17.7723, 0.5154,
0.4290


 17.7723, 0.5154,
0.4290

 17.7734, 0.5154,
0.4290

 19.2360, 0.4983,
0.4325

 20.8554, 0.4786,
0.4316

 22.6483, 0.4564,
0.4259

 24.6240, 0.4329,
0.4161

 26.7904, 0.4094,
0.4034

■ 29.1549, 0.3866,
0.3889

■ 31.7243, 0.3654,
0.3736

■ 34.5050, 0.3459,
0.3582

■ 37.5030, 0.3284,
0.3433

Harmonies

Analogous

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



17.7723, 0.5377, 0.3515



17.7723, 0.5154, 0.4290



17.7723, 0.4388, 0.5079

Triad

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



17.7723, 0.5154, 0.4290



17.7723, 0.1619, 0.3544



17.7723, 0.2496, 0.1794

Complementary

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



17.7723, 0.5154, 0.4290



7.4460, 0.1699, 0.1318

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.



17.7723, 0.1728, 0.1658



17.7723, 0.5154, 0.4290



17.7723, 0.1300, 0.2409

Square

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



17.7723, 0.5154, 0.4290



17.7723, 0.2366, 0.4922



17.7723, 0.1347, 0.1828



17.7723, 0.3638, 0.2197

Rectangle

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



17.7723, 0.5154, 0.4290



17.7723, 0.3730, 0.5446



17.7723, 0.1347, 0.1828



17.7723, 0.2193, 0.1718

Sweetspot

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



17.7734, 0.5154, 0.4290



56.5632, 0.3665, 0.3744



9.1161, 0.5296, 0.2691



12.1854, 0.3750, 0.3807



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.7734, 0.5154, 0.4290



31.4032, 0.5175, 0.4273



36.2688, 0.4049, 0.5167



8.7642, 0.3272, 0.3423



13.5042, 0.5142, 0.4299



0.4803, 0.4785, 0.4582

Inverse Universe

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



7.4460, 0.1699, 0.1318



12.9385, 0.1691, 0.1287



3.0356, 0.1529, 0.0616



8.2831, 0.2986, 0.3154



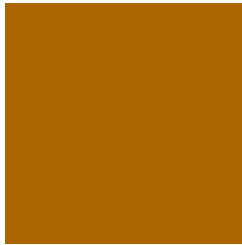
5.7123, 0.1705, 0.1336



0.2685, 0.1877, 0.1957

Previews

White Background



This preview shows how the Yxy color 17.7723, 0.5154, 0.4290 looks on a white background.

Color Contrast Check

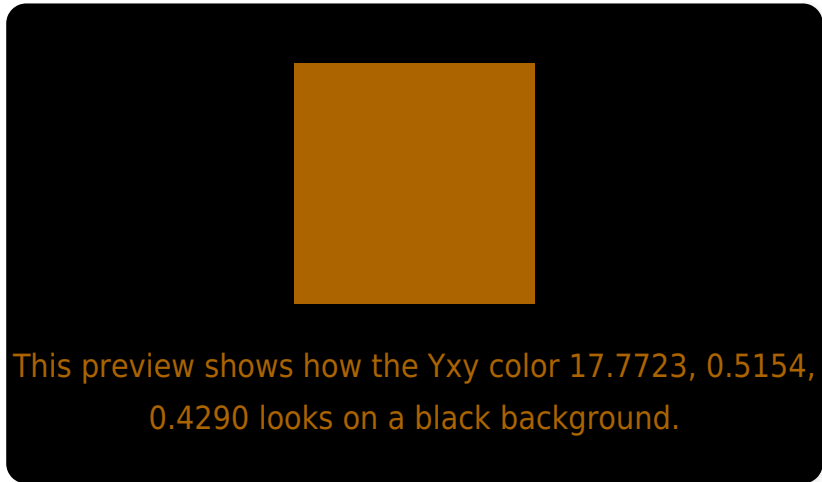
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 17.7723, 0.5154, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 17.7723, 0.5154, 0.4290.



This preview shows how white text looks on a background with the Yxy color 17.7723, 0.5154, 0.4290.

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

17.7723, 0.5154, 0.4290

Protanopia

17.9725, 0.4362, 0.4832

Deuteranopia

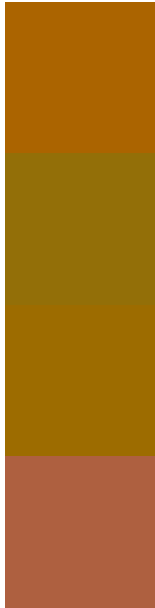
17.9779, 0.4703, 0.4648



Tritanopia

17.8628, 0.4267, 0.3190

Trichromacy



Original Color

17.7723, 0.5154, 0.4290

Protanomaly

17.5895, 0.4669, 0.4624

Deuteranomaly

17.8932, 0.4866, 0.4519

Tritanomaly

17.7346, 0.4762, 0.3743

Monochromacy



Original Color

17.7723, 0.5154, 0.4290

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6558, 0.4002, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7723, 0.5154, 0.4290 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(171, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 100, 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(171, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 100, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.7723, 0.5154, 0.4290 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(171, 100, 0) }
```

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

```
.border{ border-color:rgb(171, 100, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 100, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 100,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7723, 0.5154, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 100, 0) }
```

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

```
.background{ background-color: rgb(171,  
100, 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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