

Converting Colors

$Y_{xy}(17.8054, 0.5047, 0.4344)$

Have a look what the booklet for
Yxy(17.8054, 0.5047, 0.4344)
contains.

Yxy(17.9269, 0.5046, 0.4346)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.9269, 0.5046, 0.4346)

Conversions

Conversions Part 1

Format	Color
Hex	A76705
RGB	167, 103, 5
RGB Percent	65%, 40%, 2%
CMY	0.3451, 0.5961, 0.9802
CMYK	0.00, 0.38, 0.97, 0.35
HSL	36°, 94%, 34%
HSV	36°, 97%, 65%
XYZ	20.8143, 17.9269, 2.5080
YIQ	110.9640, 69.6020, -16.9100

Conversions

Conversions Part 2

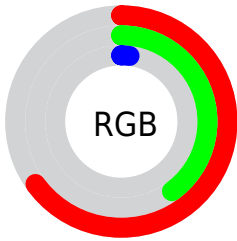
Format	Color
R_{YB}	111, 167, 5
Decimal	10970885
CIE _{Lab}	49.41, 19.45, 55.87
CIE _{LCh}	49, 59.155, 70.805
Yxy	17.9269, 0.5046, 0.4346
Android (android.graphics.Color)	4289160965 (0xFFA76705)
YUV	110.9640, -52.2403, 49.1436
Hunter-Lab	42.3402, 13.6549, 26.1262

Details

The Yxy color **17.9269, 0.5046, 0.4346** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0842, 0.1708, 0.1319**, and the grayscale version is **16.0268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8237, 0.4682, 0.4220**, and **6.0796, 0.5300, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **17.5248, 0.5095, 0.4336**, and if you desaturate by 10%, it is **19.3388, 0.4880, 0.4366**.

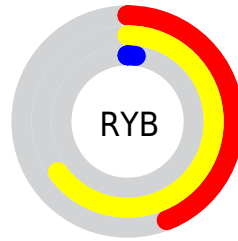
Distribution



Red (65%)

Green (40%)

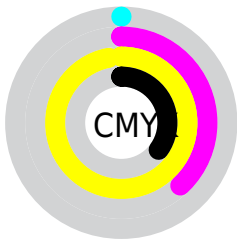
Blue (2%)



Red (44%)

Yellow (65%)

Blue (2%)

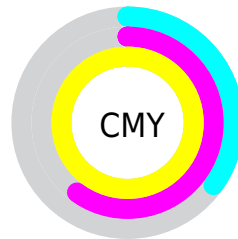


Cyan (0%)

Magenta (38%)

Yellow (97%)

Black (35%)



Cyan (35%)


Magenta (60%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9269, 0.5046, 0.4346 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 17.9269, 0.5046, 0.4346 by changing the saturation by 10% instead.


 17.9269, 0.5046,
0.4346


 17.9269, 0.5046,
0.4346


240.4587, 0.4021,
0.3883


 10.8975, 0.5273,
0.4387


 39.9127, 0.4681,
0.4220


 5.9980, 0.5581,
0.4419

 55.6380, 0.4539,
0.4157

 2.8438, 0.5767,
0.4233

 75.0306, 0.4418,
0.4099

 1.0508, 0.6082,
0.3918

 98.4750, 0.4315,
0.4046


 0.0000, 1.0000,
0.0000


 126.3557, 0.4226,
0.3999


 0.0000, 0.0000,
0.0000


 159.0569, 0.4148,

0.3956

 196.9631, 0.4081,
0.3917

 17.9269, 0.5046,
0.4346


 17.9269, 0.5046,
0.4346


 17.5248, 0.5095,
0.4336

 19.3388, 0.4880,
0.4366

 20.8958, 0.4684,
0.4338

 22.6094, 0.4466,
0.4262

 24.4876, 0.4238,
0.4150

 26.5373, 0.4011,
0.4012

■ 28.7651, 0.3792,
0.3860

■ 31.1768, 0.3589,
0.3702

■ 33.7780, 0.3402,
0.3544

■ 36.5741, 0.3234,
0.3392

Harmonies

Analogous

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



17.9269, 0.5305, 0.3587



17.9269, 0.5046, 0.4346



17.9269, 0.4285, 0.5085

Triad

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



17.9269, 0.5046, 0.4346



17.9269, 0.1630, 0.3427



17.9269, 0.2604, 0.1863

Complementary

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



17.9269, 0.5046, 0.4346



7.0842, 0.1708, 0.1319

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.



17.9269, 0.1822, 0.1708



17.9269, 0.5046, 0.4346



17.9269, 0.1346, 0.2380

Square

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



17.9269, 0.5046, 0.4346



17.9269, 0.2326, 0.4746



17.9269, 0.1418, 0.1849



17.9269, 0.3724, 0.2278

Rectangle

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



17.9269, 0.5046, 0.4346



17.9269, 0.3640, 0.5387



17.9269, 0.1418, 0.1849



17.9269, 0.2299, 0.1781

Sweetspot

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



17.9278, 0.5046, 0.4346



54.7034, 0.3639, 0.3742



8.7651, 0.5273, 0.2704



11.8430, 0.3723, 0.3807



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.9278, 0.5046, 0.4346



30.9729, 0.5115, 0.4320



34.2094, 0.4018, 0.5173



8.2687, 0.3271, 0.3426



13.5076, 0.5084, 0.4345



0.4242, 0.4722, 0.4633

Inverse Universe

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



7.0842, 0.1708, 0.1319



11.5966, 0.1675, 0.1230



3.0617, 0.1557, 0.0649



7.7688, 0.2986, 0.3150



5.2060, 0.1689, 0.1279



0.2269, 0.1878, 0.1961

Previews

White Background



This preview shows how the Yxy color 17.9269, 0.5046, 0.4346 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 17.9269, 0.5046, 0.4346 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 17.9269, 0.5046, 0.4346

Background



This preview shows how black text looks on a background with the Yxy color 17.9269, 0.5046, 0.4346.



This preview shows how white text looks on a background with the Yxy color 17.9269, 0.5046, 0.4346.

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

17.9269, 0.5046, 0.4346

Protanopia

17.9725, 0.4362, 0.4832

Deuteranopia

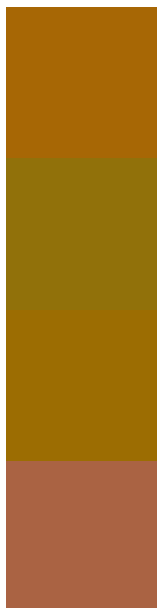
17.9779, 0.4703, 0.4648



Tritanopia

18.0029, 0.4146, 0.3186

Trichromacy



Original Color

17.9269, 0.5046, 0.4346

Protanomaly

17.8519, 0.4606, 0.4662

Deuteranomaly

18.0096, 0.4831, 0.4534

Tritanomaly

17.8750, 0.4640, 0.3761

Monochromacy



Original Color

17.9269, 0.5046, 0.4346

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.0183, 0.3944, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9269, 0.5046, 0.4346 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(167, 103, 5)` looks like.

```
.text, #text, p{  
    color:rgb(167, 103, 5)  
}
```

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(167, 103, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 103, 5) }
```

Border

The CSS property to change the border of an element to Yxy 17.9269, 0.5046, 0.4346 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(167, 103, 5) }
```

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

```
.border{ border-color:rgb(167, 103, 5) }
```

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

Here you see how a box with a 4 pixel rgb(167, 103, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 103, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 103, 5);  
box-shadow:4px 4px 4px 4px rgb(167, 103,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9269, 0.5046, 0.4346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 103, 5) }
```

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

```
.background{ background-color: rgb(167,  
103, 5) }
```

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