

Converting Colors

$Y_{xy}(17.5941, 0.4764, 0.4046)$

Have a look what the booklet for
Yxy(17.5941, 0.4764, 0.4046)
contains.

Yxy(17.5284, 0.4770, 0.4034)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5284, 0.4770, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	A56531
RGB	165, 101, 49
RGB Percent	65%, 40%, 19%
CMY	0.3529, 0.6039, 0.8078
CMYK	0.00, 0.39, 0.70, 0.35
HSL	27°, 54%, 42%
HSV	27°, 70%, 65%
XYZ	20.7264, 17.5284, 5.1968
YIQ	114.2080, 54.8360, -2.6040

Conversions

Conversions Part 2

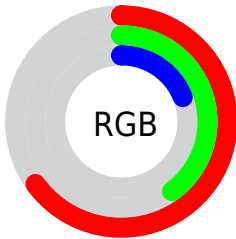
Format	Color
R_{YB}	165, 143, 49
Decimal	10839345
CIE Lab	48.92, 21.13, 39.38
CIE LCh	49, 44.692, 61.785
Yxy	17.5284, 0.4770, 0.4034
Android (android.graphics.Color)	4289029425 (0xFFA56531)
YUV	114.2080, -32.1475, 44.5446
Hunter-Lab	41.8669, 15.1002, 21.9474

Details

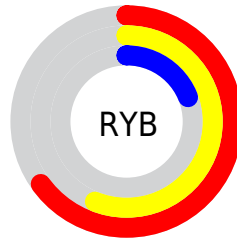
The Yxy color **17.5284, 0.4770, 0.4034** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.1828, 0.2086, 0.2268**, and the grayscale version is **16.9796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1856, 0.4411, 0.3913**, and **5.8265, 0.5337, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **15.7434, 0.5058, 0.4062**, and if you desaturate by 10%, it is **19.5621, 0.4475, 0.3966**.

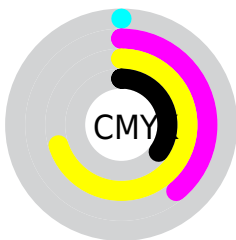
Distribution



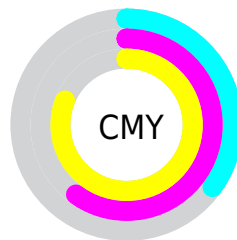
- Red (65%)
- Green (40%)
- Blue (19%)



- Red (65%)
- Yellow (56%)
- Blue (19%)



- Cyan (0%)
- Magenta (39%)
- Yellow (70%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5284, 0.4770, 0.4034 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 17.5284, 0.4770, 0.4034 by changing the saturation by 10% instead.


 17.5284, 0.4770,
0.4034


 17.5284, 0.4770,
0.4034


238.1993, 0.3839,
0.3679


 10.6119, 0.5023,
0.4089


 39.2321, 0.4411,
0.3921


 5.8065, 0.5352,
0.4127


 54.7881, 0.4281,
0.3873


 2.7278, 0.5850,
0.4150

 73.9927, 0.4174,
0.3830

 0.9913, 0.6196,
0.3804

 97.2304, 0.4085,
0.3792

 0.0000, 1.0000,
0.0000

 124.8855, 0.4009,
0.3758

 0.0000, 0.0000,
0.0000

 157.3424, 0.3944,

0.3729

194.9855, 0.3888,
0.3702

■ 17.5284, 0.4770,
0.4034

■ 17.5284, 0.4770,
0.4034

■ 15.7434, 0.5058,
0.4062

■ 19.5621, 0.4475,
0.3966

■ 14.1921, 0.5321,
0.4040

■ 21.8530, 0.4190,
0.3870

■ 12.8926, 0.5545,
0.3979

■ 24.4120, 0.3926,
0.3758

■ 27.2487, 0.3688,
0.3638

■ 30.3721, 0.3477,
0.3519

■ 33.7908, 0.3292,
0.3403

■ 37.5129, 0.3132,
0.3293

■ 41.5461, 0.2993,
0.3191

■ 45.8979, 0.2873,
0.3097

Harmonies

Analogous

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



17.5284, 0.4755, 0.3414



17.5284, 0.4770, 0.4034



17.5284, 0.4310, 0.4603

Triad

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



17.5284, 0.4770, 0.4034



17.5284, 0.2094, 0.3712



17.5284, 0.2509, 0.2071

Complementary

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



17.5284, 0.4770, 0.4034



15.1828, 0.2086, 0.2268

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.



17.5284, 0.1950, 0.2022



17.5284, 0.4770, 0.4034



17.5284, 0.1731, 0.2822

Square

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



17.5284, 0.4770, 0.4034



17.5284, 0.2761, 0.4578



17.5284, 0.1691, 0.2252



17.5284, 0.3328, 0.2358

Rectangle

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



17.5284, 0.4770, 0.4034



17.5284, 0.3836, 0.4848



17.5284, 0.1691, 0.2252



17.5284, 0.2290, 0.2027

Sweetspot

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



17.5293, 0.4770, 0.4034



53.7580, 0.3498, 0.3532



11.4289, 0.4067, 0.2360



11.4270, 0.3551, 0.3563



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.



17.5293, 0.4770, 0.4034



26.6867, 0.5200, 0.4057



32.4289, 0.4126, 0.4749



7.5843, 0.3274, 0.3391



9.8494, 0.5528, 0.3993



0.3008, 0.4942, 0.4458

Inverse Universe

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



15.1828, 0.2086, 0.2268



22.1364, 0.1930, 0.2006



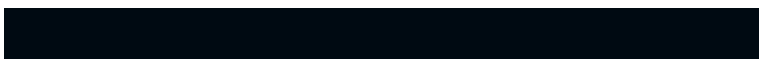
6.2702, 0.1826, 0.1204



7.4774, 0.2987, 0.3187



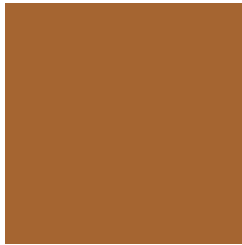
7.8218, 0.1829, 0.1783



0.2570, 0.1997, 0.2388

Previews

White Background



This preview shows how the Yxy color 17.5284, 0.4770, 0.4034 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 17.5284, 0.4770, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

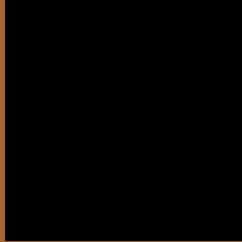
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5284, 0.4770, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 17.5284, 0.4770, 0.4034.



This preview shows how white text looks on a background with the Yxy color 17.5284, 0.4770, 0.4034.

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

17.5284, 0.4770, 0.4034

Protanopia

17.6560, 0.4042, 0.4438

Deuteranopia

17.5859, 0.4411, 0.4344



Tritanopia

17.4686, 0.4127, 0.3184

Trichromacy



Original Color

17.5284, 0.4770, 0.4034

Protanomaly

17.3676, 0.4310, 0.4287

Deuteranomaly

17.3960, 0.4546, 0.4225

Tritanomaly

17.3894, 0.4394, 0.3509

Monochromacy



Original Color

17.5284, 0.4770, 0.4034

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.6620, 0.3722, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5284, 0.4770, 0.4034 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, 101, 49)` looks like.

```
.text, #text, p{  
    color:rgb(165, 101, 49)  
}
```

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, 101, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 101, 49) }
```

Border

The CSS property to change the border of an element to Yxy 17.5284, 0.4770, 0.4034 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, 101, 49) }
```

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

```
.border{ border-color:rgb(165, 101, 49) }
```

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

Here you see how a box with a 4 pixel rgb(165, 101, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 101, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 101, 49);  
box-shadow:4px 4px 4px 4px rgb(165, 101,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5284, 0.4770, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 101, 49) }
```

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

```
.background{ background-color: rgb(165,  
101, 49) }
```

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