

Converting Colors

$Y_{xy}(17.5765, 0.4753, 0.4379)$

Have a look what the booklet for
Yxy(17.5765, 0.4753, 0.4379)
contains.

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Color

Yxy(17.6672, 0.4754, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	9C6B1C
RGB	156, 107, 28
RGB Percent	61%, 42%, 11%
CMY	0.3882, 0.5804, 0.8902
CMYK	0.00, 0.31, 0.82, 0.39
HSL	37°, 70%, 36%
HSV	37°, 82%, 61%
XYZ	19.1801, 17.6672, 3.4979
YIQ	112.6450, 54.5630, -14.1810

Conversions

Conversions Part 2

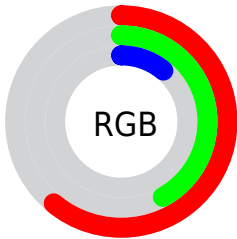
Format	Color
R_{YB}	107, 156, 28
Decimal	10251036
CIE _{Lab}	49.09, 12.71, 48.65
CIE _{LCh}	49, 50.279, 75.352
Yxy	17.6672, 0.4754, 0.4379
Android (android.graphics.Color)	4288441116 (0xFF9C6B1C)
YUV	112.6450, -41.7300, 38.0223
Hunter-Lab	42.0324, 7.8962, 24.4885

Details

The Yxy color **17.6672, 0.4754, 0.4379** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.9591, 0.1842, 0.1604**, and the grayscale version is **16.5174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3144, 0.4425, 0.4205**, and **5.9410, 0.5054, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **16.4088, 0.4930, 0.4387**, and if you desaturate by 10%, it is **19.0522, 0.4552, 0.4322**.

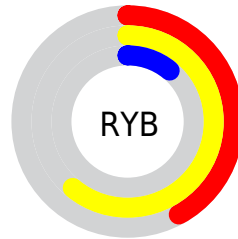
Distribution



Red (61%)

Green (42%)

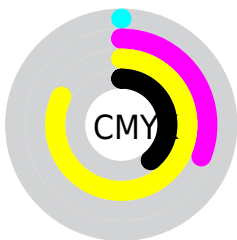
Blue (11%)



Red (42%)

Yellow (61%)

Blue (11%)

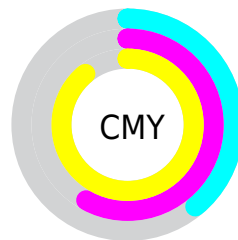


Cyan (0%)

Magenta (31%)

Yellow (82%)

Black (39%)



Cyan (39%)


Magenta (58%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6672, 0.4754, 0.4379 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 17.6672, 0.4754, 0.4379 by changing the saturation by 10% instead.


 17.6672, 0.4754,
0.4379

 17.6672, 0.4754,
0.4379


238.9885, 0.3865,
0.3843


 10.7113, 0.4967,
0.4468


 39.4694, 0.4427,
0.4205


 5.8731, 0.5303,
0.4614

 55.0846, 0.4304,
0.4131


 2.7681, 0.5477,
0.4523

 74.3549, 0.4200,
0.4067

 1.0119, 0.5702,
0.4298

 97.6648, 0.4112,
0.4010

 0.0000, 1.0000,
0.0000

 125.3988, 0.4037,
0.3960


 0.0000, 0.0000,
0.0000


 157.9411, 0.3972,


0.3917


 195.6762, 0.3915,
0.3878


 17.6672, 0.4754,
0.4379


 17.6672, 0.4754,
0.4379


 16.4088, 0.4930,
0.4387


 19.0522, 0.4552,
0.4322

 15.4851, 0.5055,
0.4368

 20.5682, 0.4333,
0.4224

 22.2219, 0.4110,
0.4096

 24.0190, 0.3891,
0.3947

 25.9645, 0.3684,
0.3789

■ 28.0631, 0.3491,
0.3628

■ 30.3192, 0.3316,
0.3471

■ 32.7371, 0.3157,
0.3320

■ 35.3207, 0.3016,
0.3178

Harmonies

Analogous

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



17.6672, 0.5023, 0.3702



17.6672, 0.4754, 0.4379



17.6672, 0.4065, 0.4948

Triad

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



17.6672, 0.4754, 0.4379



17.6672, 0.1757, 0.3266



17.6672, 0.2816, 0.2067

Complementary

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



17.6672, 0.4754, 0.4379



7.9591, 0.1842, 0.1604

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.



17.6672, 0.2065, 0.1890



17.6672, 0.4754, 0.4379



17.6672, 0.1536, 0.2420

Square

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



17.6672, 0.4754, 0.4379



17.6672, 0.2338, 0.4356



17.6672, 0.1643, 0.1986



17.6672, 0.3803, 0.2476

Rectangle

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



17.6672, 0.4754, 0.4379



17.6672, 0.3487, 0.5095



17.6672, 0.1643, 0.1986



17.6672, 0.2531, 0.1980

Sweetspot

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



17.6681, 0.4754, 0.4379



49.6139, 0.3555, 0.3683



8.4372, 0.4872, 0.2657



10.6449, 0.3618, 0.3736



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



17.6681, 0.4754, 0.4379



28.1398, 0.5046, 0.4360



29.5364, 0.3968, 0.5073



7.2932, 0.3270, 0.3428



12.8204, 0.5047, 0.4374



0.3090, 0.4633, 0.4704

Inverse Universe

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



7.9591, 0.1842, 0.1604



10.2170, 0.1682, 0.1239



3.7439, 0.1726, 0.0872



6.8309, 0.2988, 0.3148



4.6795, 0.1681, 0.1249



0.1625, 0.1897, 0.2029

Previews

White Background



This preview shows how the Yxy color 17.6672, 0.4754, 0.4379 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 17.6672, 0.4754, 0.4379 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 17.6672, 0.4754, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 17.6672, 0.4754, 0.4379.



This preview shows how white text looks on a background with the Yxy color 17.6672, 0.4754, 0.4379.

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

17.6672, 0.4754, 0.4379

Protanopia

17.6468, 0.4261, 0.4709

Deuteranopia

17.6465, 0.4592, 0.4526



Tritanopia

17.6495, 0.3909, 0.3178

Trichromacy



Original Color

17.6672, 0.4754, 0.4379

Protanomaly

17.4794, 0.4445, 0.4583

Deuteranomaly

17.7150, 0.4639, 0.4479

Tritanomaly

17.6215, 0.4305, 0.3696

Monochromacy



Original Color

17.6672, 0.4754, 0.4379

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.6452, 0.3760, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6672, 0.4754, 0.4379 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(156, 107, 28)` looks like.

```
.text, #text, p{  
    color:rgb(156, 107, 28)  
}
```

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(156, 107, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 107, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.6672, 0.4754, 0.4379 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(156, 107, 28) }
```

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

```
.border{ border-color:rgb(156, 107, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 107, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 107, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 107, 28);  
box-shadow:4px 4px 4px 4px rgb(156, 107,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6672, 0.4754, 0.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 107, 28) }
```

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

```
.background{ background-color: rgb(156,  
107, 28) }
```

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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