

Converting Colors

$Y_{xy}(17.4249, 0.4253, 0.4919)$

Have a look what the booklet for
Yxy(17.4249, 0.4253, 0.4919)
contains.

Yxy(17.3434, 0.4256, 0.4920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.3434, 0.4256, 0.4920)

Conversions

Conversions Part 1

Format	Color
Hex	7D760C
RGB	125, 118, 12
RGB Percent	49%, 46%, 5%
CMY	0.5098, 0.5372, 0.9529
CMYK	0.00, 0.06, 0.90, 0.51
HSL	56°, 82%, 27%
HSV	56°, 90%, 49%
XYZ	15.0027, 17.3434, 2.9047
YIQ	108.0090, 38.1980, -31.4820

Conversions

Conversions Part 2

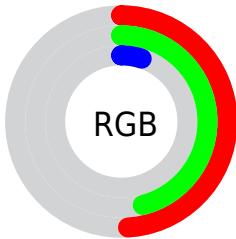
Format	Color
R_{YB}	19, 125, 12
Decimal	8222220
CIE Lab	48.69, -8.62, 51.77
CIE LCh	49, 52.487, 99.450
Yxy	17.3434, 0.4256, 0.4920
Android (android.graphics.Color)	4286412300 (0xFF7D760C)
YUV	108.0090, -47.3324, 14.9011
Hunter-Lab	41.6454, -8.5749, 25.0165

Details

The Yxy color **17.3434, 0.4256, 0.4920** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0250, 0.1591, 0.0788**, and the grayscale version is **15.1270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0029, 0.4067, 0.4597**, and **5.7580, 0.4237, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **17.1431, 0.4302, 0.4966**, and if you desaturate by 10%, it is **17.5689, 0.4193, 0.4847**.

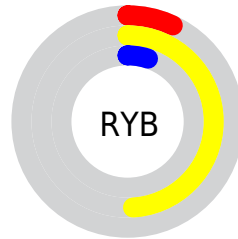
Distribution



Red (49%)

Green (46%)

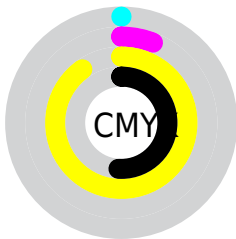
Blue (5%)



Red (7%)

Yellow (49%)

Blue (5%)

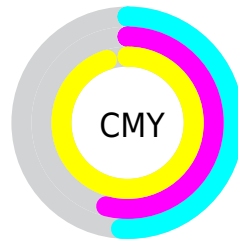


Cyan (0%)

Magenta (6%)

Yellow (90%)

Black (51%)



Cyan (51%)


Magenta (54%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3434, 0.4256, 0.4920 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 17.3434, 0.4256, 0.4920 by changing the saturation by 10% instead.


 17.3434, 0.4256,
0.4920


 17.3434, 0.4256,
0.4920


237.1436, 0.3680,
0.4026


 10.4796, 0.4359,
0.5129


 38.9153, 0.4063,
0.4592


 5.7181, 0.4531,
0.5469

 54.3921, 0.3983,
0.4468


 2.6744, 0.4430,
0.5570

 73.5088, 0.3914,
0.4363

 0.9642, 0.4220,
0.5780


 96.6498, 0.3854,
0.4274

 0.0000, 0.0000,
0.0000


 124.1993, 0.3802,
0.4198


 156.5419, 0.3756,


0.4133


 194.0618, 0.3716,
0.4076

 17.3434, 0.4256,
0.4920

 17.3434, 0.4256,
0.4920

 17.1431, 0.4302,
0.4966

 17.5689, 0.4193,
0.4847

 17.8192, 0.4105,
0.4733

 18.0978, 0.3995,
0.4582

 18.4074, 0.3866,
0.4399

 18.7500, 0.3725,
0.4193

■ 19.1277, 0.3576,
0.3973

■ 19.5423, 0.3425,
0.3746

■ 19.9955, 0.3276,
0.3519

■ 20.4890, 0.3133,
0.3299

Harmonies

Analogous

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



17.3434, 0.4917, 0.4270



17.3434, 0.4256, 0.4920



17.3434, 0.3361, 0.5183

Triad

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



17.3434, 0.4256, 0.4920



17.3434, 0.1491, 0.2513



17.3434, 0.3623, 0.2342

Complementary

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



17.3434, 0.4256, 0.4920



2.0250, 0.1591, 0.0788

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.



17.3434, 0.2619, 0.1963



17.3434, 0.4256, 0.4920



17.3434, 0.1539, 0.1988

Square

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



17.3434, 0.4256, 0.4920



17.3434, 0.1786, 0.3479



17.3434, 0.1907, 0.1832



17.3434, 0.4606, 0.2907

Rectangle

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



17.3434, 0.4256, 0.4920



17.3434, 0.2743, 0.4905



17.3434, 0.1907, 0.1832



17.3434, 0.3269, 0.2191

Sweetspot

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



17.3442, 0.4256, 0.4920



34.4476, 0.3535, 0.3911



4.6722, 0.6022, 0.3230



7.7912, 0.3576, 0.3972



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.3442, 0.4256, 0.4920



30.6187, 0.4305, 0.4964



16.2329, 0.3514, 0.5493



4.9753, 0.3257, 0.3490



17.8873, 0.4302, 0.4966



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.0250, 0.1591, 0.0788



2.8711, 0.1512, 0.0644



2.7350, 0.2047, 0.0973



4.2512, 0.2993, 0.3081



1.7169, 0.1517, 0.0659



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.3434, 0.4256, 0.4920 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 17.3434, 0.4256, 0.4920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

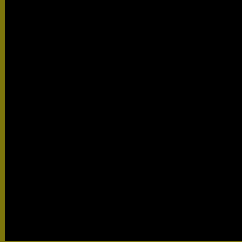
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3434, 0.4256, 0.4920

Background



This preview shows how black text looks on a background with the Yxy color 17.3434, 0.4256, 0.4920.



This preview shows how white text looks on a background with the Yxy color 17.3434, 0.4256, 0.4920.

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

17.3434, 0.4256, 0.4920

Protanopia

17.3402, 0.4371, 0.4838

Deuteranopia

17.3134, 0.4626, 0.4562



Tritanopia

17.3654, 0.3323, 0.3143

Trichromacy



Original Color

17.3434, 0.4256, 0.4920

Protanomaly

17.4139, 0.4329, 0.4871

Deuteranomaly

17.2540, 0.4488, 0.4697

Tritanomaly

17.0419, 0.3786, 0.3942

Monochromacy



Original Color

17.3434, 0.4256, 0.4920

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6468, 0.3651, 0.4099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3434, 0.4256, 0.4920 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(125, 118, 12)` looks like.

```
.text, #text, p{  
    color:rgb(125, 118, 12)  
}
```

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(125, 118, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 118, 12) }
```

Border

The CSS property to change the border of an element to Yxy 17.3434, 0.4256, 0.4920 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(125, 118, 12) }
```

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

```
.border{ border-color:rgb(125, 118, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 118, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 118, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 118, 12);  
box-shadow:4px 4px 4px 4px rgb(125, 118,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3434, 0.4256, 0.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 118, 12) }
```

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

```
.background{ background-color: rgb(125,  
118, 12) }
```

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