

Converting Colors

$Y_{xy}(17.9510, 0.3934, 0.5215)$

Have a look what the booklet for
Yxy(17.9510, 0.3934, 0.5215)
contains.

Yxy(17.8062, 0.3934, 0.5216)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8062, 0.3934, 0.5216)

Conversions

Conversions Part 1

Format	Color
Hex	6B7D06
RGB	107, 125, 6
RGB Percent	42%, 49%, 2%
CMY	0.5804, 0.5098, 0.9764
CMYK	0.14, 0.00, 0.95, 0.51
HSL	69°, 91%, 26%
HSV	69°, 95%, 49%
XYZ	13.4298, 17.8062, 2.9017
YIQ	106.0520, 27.4710, -40.8250

Conversions

Conversions Part 2

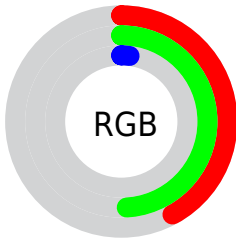
Format	Color
RYB	6, 125, 24
Decimal	7044358
CIELab	49.26, -20.87, 52.78
CIELCh	49, 56.755, 111.576
Yxy	17.8062, 0.3934, 0.5216
Android (android.graphics.Color)	4285234438 (0xFF6B7D06)
YUV	106.0520, -49.3256, 0.8314
Hunter-Lab	42.1974, -17.0360, 25.4611

Details

The Yxy color **17.8062, 0.3934, 0.5216** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.8059, 0.1626, 0.0709**, and the grayscale version is **14.5613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9395, 0.3825, 0.4795**, and **6.0096, 0.3776, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **17.7377, 0.3937, 0.5256**, and if you desaturate by 10%, it is **17.9578, 0.3922, 0.5126**.

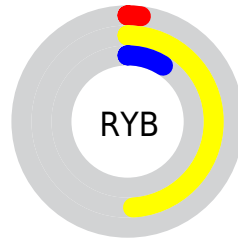
Distribution



Red (42%)

Green (49%)

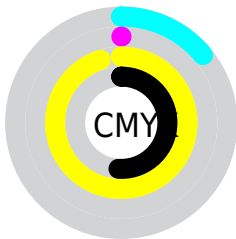
Blue (2%)



Red (2%)

Yellow (49%)

Blue (9%)

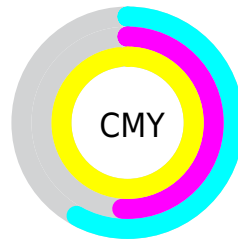


Cyan (14%)

Magenta (0%)

Yellow (95%)

Black (51%)



Cyan (58%)


Magenta (51%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8062, 0.3934, 0.5216 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 17.8062, 0.3934, 0.5216 by changing the saturation by 10% instead.


 17.8062, 0.3934,
0.5216


 17.8062, 0.3934,
0.5216

 239.7764, 0.3560,
0.4119


 10.8109, 0.3970,
0.5499


 39.7068, 0.3827,
0.4798


 5.9398, 0.4037,
0.5963

 55.3810, 0.3775,
0.4644


 2.8085, 0.3790,
0.6210

 74.7169, 0.3728,
0.4518

 1.0326, 0.3104,
0.6896


 98.0989, 0.3686,
0.4411


 0.0000, 0.0000,
0.0000

 125.9115, 0.3649,
0.4321


 158.5390, 0.3616,

0.4244


 196.3658, 0.3586,
0.4177


 17.8062, 0.3934,
0.5216


 17.8062, 0.3934,
0.5216


 17.7377, 0.3937,
0.5256

 17.9578, 0.3922,
0.5126

 18.1325, 0.3887,
0.4996

 18.3355, 0.3829,
0.4826

 18.5693, 0.3750,
0.4623

 18.8362, 0.3653,
0.4395

■ 19.1385, 0.3544,
0.4152

■ 19.4780, 0.3428,
0.3901

■ 19.8564, 0.3308,
0.3652

■ 20.2754, 0.3188,
0.3411

Harmonies

Analogous

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



17.8062, 0.4771, 0.4599



17.8062, 0.3934, 0.5216



17.8062, 0.2955, 0.5210

Triad

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



17.8062, 0.3934, 0.5216



17.8062, 0.1385, 0.2177



17.8062, 0.4113, 0.2507

Complementary

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



17.8062, 0.3934, 0.5216



1.8059, 0.1626, 0.0709

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.



17.8062, 0.2986, 0.2023



17.8062, 0.3934, 0.5216



17.8062, 0.1569, 0.1806

Square

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



17.8062, 0.3934, 0.5216



17.8062, 0.1533, 0.3009



17.8062, 0.2092, 0.1776



17.8062, 0.5006, 0.3144

Rectangle

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



17.8062, 0.3934, 0.5216



17.8062, 0.2338, 0.4653



17.8062, 0.2092, 0.1776



17.8062, 0.3734, 0.2323

Sweetspot

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



17.8070, 0.3934, 0.5216



34.5951, 0.3481, 0.4015



5.0212, 0.6074, 0.3460



7.8212, 0.3522, 0.4103



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.



17.8070, 0.3934, 0.5216



31.7117, 0.3931, 0.5261



15.3016, 0.3228, 0.5764



4.9875, 0.3235, 0.3505



18.5092, 0.3937, 0.5256



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.8059, 0.1626, 0.0709



2.8544, 0.1567, 0.0637



3.4668, 0.2414, 0.1136



4.2406, 0.3014, 0.3069



1.6868, 0.1580, 0.0644



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8062, 0.3934, 0.5216 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 17.8062, 0.3934, 0.5216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

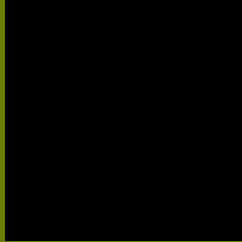
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8062, 0.3934, 0.5216

Background



This preview shows how black text looks on a background with the Yxy color 17.8062, 0.3934, 0.5216.



This preview shows how white text looks on a background with the Yxy color 17.8062, 0.3934, 0.5216.

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

17.8062, 0.3934, 0.5216

Protanopia

17.6281, 0.4402, 0.4887

Deuteranopia

17.6299, 0.4614, 0.4554



Tritanopia

17.7534, 0.3035, 0.3117

Trichromacy



Original Color

17.8062, 0.3934, 0.5216

Protanomaly

17.6483, 0.4229, 0.5010

Deuteranomaly

17.4337, 0.4367, 0.4802

Tritanomaly

17.3136, 0.3490, 0.4047

Monochromacy



Original Color

17.8062, 0.3934, 0.5216

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3166, 0.3565, 0.4215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8062, 0.3934, 0.5216 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(107, 125, 6)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 6)  
}
```

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(107, 125, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 6) }
```

Border

The CSS property to change the border of an element to Yxy 17.8062, 0.3934, 0.5216 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(107, 125, 6) }
```

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

```
.border{ border-color:rgb(107, 125, 6) }
```

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

Here you see how a box with a 4 pixel rgb(107, 125, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 6);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8062, 0.3934, 0.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 6) }
```

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

```
.background{ background-color: rgb(107,  
125, 6) }
```

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