

Converting Colors

$Y_{xy}(17.2039, 0.3853, 0.5249)$

Have a look what the booklet for
Yxy(17.2039, 0.3853, 0.5249)
contains.

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Color

Yxy(17.2039, 0.3853, 0.5249)

Conversions

Conversions Part 1

Format	Color
Hex	657C0A
RGB	101, 124, 10
RGB Percent	40%, 49%, 4%
CMY	0.6040, 0.5137, 0.9606
CMYK	0.19, 0.00, 0.92, 0.51
HSL	72°, 85%, 26%
HSV	72°, 92%, 49%
XYZ	12.6284, 17.2039, 2.9432
YIQ	104.1270, 22.8860, -40.3300

Conversions

Conversions Part 2

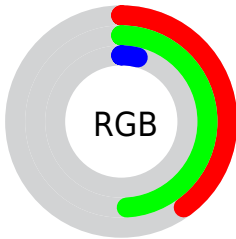
Format	Color
RYB	10, 124, 33
Decimal	6650890
CIELab	48.52, -22.95, 51.21
CIElCh	49, 56.118, 114.138
Yxy	17.2039, 0.3853, 0.5249
Android (android.graphics.Color)	4284840970 (0xFF657C0A)
YUV	104.1270, -46.4046, -2.7424
Hunter-Lab	41.4776, -18.2390, 24.8271

Details

The Yxy color **17.2039, 0.3853, 0.5249** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9977, 0.1710, 0.0780**, and the grayscale version is **14.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8425, 0.3757, 0.4814**, and **5.7103, 0.3669, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **17.0670, 0.3852, 0.5323**, and if you desaturate by 10%, it is **17.3891, 0.3843, 0.5137**.

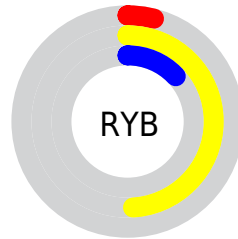
Distribution



Red (40%)

Green (49%)

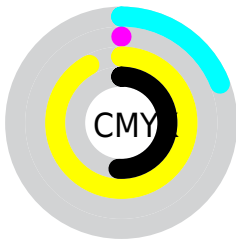
Blue (4%)



Red (4%)

Yellow (49%)

Blue (13%)

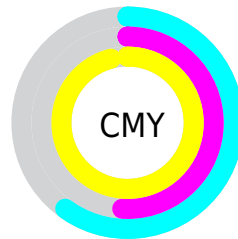


Cyan (19%)

Magenta (0%)

Yellow (92%)

Black (51%)



Cyan (60%)


Magenta (51%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2039, 0.3853, 0.5249 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 17.2039, 0.3853, 0.5249 by changing the saturation by 10% instead.


 17.2039, 0.3853,
0.5249


 17.2039, 0.3853,
0.5249


236.3447, 0.3522,
0.4116


 10.3800, 0.3877,
0.5553


 38.6760, 0.3761,
0.4810


 5.6516, 0.3934,
0.6066

 54.0930, 0.3715,
0.4652

 2.6344, 0.3651,
0.6349

 73.1431, 0.3673,
0.4521

 0.9440, 0.2624,
0.7376

 96.2108, 0.3636,
0.4412


 0.0000, 0.0000,
0.0000


 123.6804, 0.3602,
0.4321


 155.9363, 0.3572,


0.4242


 193.3629, 0.3546,
0.4175


 17.2039, 0.3853,
0.5249


 17.2039, 0.3853,
0.5249


 17.0670, 0.3852,
0.5323

 17.3891, 0.3843,
0.5137

 17.6011, 0.3809,
0.4983

 17.8436, 0.3752,
0.4792

 18.1191, 0.3675,
0.4570

 18.4298, 0.3583,
0.4329

■ 18.7778, 0.3480,
0.4076

■ 19.1649, 0.3370,
0.3822

■ 19.5928, 0.3259,
0.3573

■ 20.0632, 0.3148,
0.3334

Harmonies

Analogous

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



17.2039, 0.4711, 0.4662



17.2039, 0.3853, 0.5249



17.2039, 0.2872, 0.5163

Triad

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



17.2039, 0.3853, 0.5249



17.2039, 0.1388, 0.2129



17.2039, 0.4207, 0.2557

Complementary

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



17.2039, 0.3853, 0.5249



1.9977, 0.1710, 0.0780

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.



17.2039, 0.3078, 0.2056



17.2039, 0.3853, 0.5249



17.2039, 0.1600, 0.1792

Square

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



17.2039, 0.3853, 0.5249



17.2039, 0.1506, 0.2918



17.2039, 0.2154, 0.1787



17.2039, 0.5054, 0.3202

Rectangle

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



17.2039, 0.3853, 0.5249



17.2039, 0.2266, 0.4556



17.2039, 0.2154, 0.1787



17.2039, 0.3833, 0.2368

Sweetspot

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



17.2047, 0.3853, 0.5249



33.2543, 0.3445, 0.3994



5.3861, 0.5879, 0.3555



7.7758, 0.3484, 0.4086



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.



17.2047, 0.3853, 0.5249



29.9725, 0.3844, 0.5330



14.9793, 0.3193, 0.5754



4.5950, 0.3227, 0.3503



17.3476, 0.3852, 0.5324



82.3854, 0.3834, 0.5338

Inverse Universe

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



1.9977, 0.1710, 0.0780



2.8752, 0.1607, 0.0659



3.8379, 0.2549, 0.1231



3.9290, 0.3022, 0.3071



1.6891, 0.1623, 0.0668



7.7603, 0.1587, 0.0648

Previews

White Background



This preview shows how the Yxy color 17.2039, 0.3853, 0.5249 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 17.2039, 0.3853, 0.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

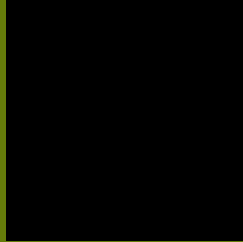
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2039, 0.3853, 0.5249

Background



This preview shows how black text looks on a background with the Yxy color 17.2039, 0.3853, 0.5249.



This preview shows how white text looks on a background with the Yxy color 17.2039, 0.3853, 0.5249.

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

17.2039, 0.3853, 0.5249

Protanopia

17.0161, 0.4393, 0.4867

Deuteranopia

17.0230, 0.4607, 0.4531



Tritanopia

17.0962, 0.2972, 0.3112

Trichromacy



Original Color

17.2039, 0.3853, 0.5249

Protanomaly

16.8920, 0.4190, 0.5013

Deuteranomaly

16.7488, 0.4341, 0.4787

Tritanomaly

16.7072, 0.3400, 0.4028

Monochromacy



Original Color

17.2039, 0.3853, 0.5249

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6946, 0.3532, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2039, 0.3853, 0.5249 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(101, 124, 10)` looks like.

```
.text, #text, p{  
    color:rgb(101, 124, 10)  
}
```

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(101, 124, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 124, 10) }
```

Border

The CSS property to change the border of an element to Yxy 17.2039, 0.3853, 0.5249 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(101, 124, 10) }
```

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

```
.border{ border-color:rgb(101, 124, 10) }
```

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

Here you see how a box with a 4 pixel rgb(101, 124, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 124, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 124, 10);  
box-shadow:4px 4px 4px 4px rgb(101, 124,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2039, 0.3853, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 124, 10) }
```

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

```
.background{ background-color: rgb(101,  
124, 10) }
```

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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