

Converting Colors

$Y_{xy}(17.4919, 0.3945, 0.5089)$

Have a look what the booklet for
Yxy(17.4919, 0.3945, 0.5089)
contains.

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Color

Yxy(17.4676, 0.3940, 0.5092)

Conversions

Conversions Part 1

Format	Color
Hex	6D7B14
RGB	109, 123, 20
RGB Percent	43%, 48%, 8%
CMY	0.5726, 0.5176, 0.9216
CMYK	0.11, 0.00, 0.84, 0.52
HSL	68°, 72%, 28%
HSV	68°, 84%, 48%
XYZ	13.5158, 17.4676, 3.3206
YIQ	107.0720, 24.7190, -35.0010

Conversions

Conversions Part 2

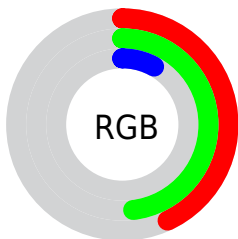
Format	Color
RYB	20, 123, 34
Decimal	7174932
CIELab	48.84, -18.52, 49.31
CIELCh	49, 52.677, 110.585
Yxy	17.4676, 0.3940, 0.5092
Android (android.graphics.Color)	4285365012 (0xFF6D7B14)
YUV	107.0720, -42.9265, 1.6909
Hunter-Lab	41.7943, -15.4151, 24.5453

Details

The Yxy color **17.4676, 0.3940, 0.5092** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2704, 0.1745, 0.0884**, and the grayscale version is **14.8405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9409, 0.3819, 0.4695**, and **5.7971, 0.3851, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **17.3297, 0.3957, 0.5184**, and if you desaturate by 10%, it is **17.6309, 0.3899, 0.4959**.

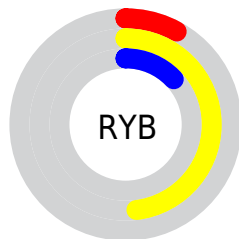
Distribution



Red (43%)

Green (48%)

Blue (8%)



Red (8%)

Yellow (48%)

Blue (13%)

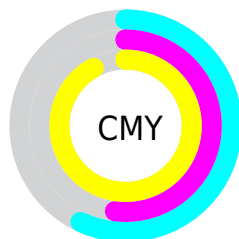


Cyan (11%)

Magenta (0%)

Yellow (84%)

Black (52%)



Cyan (57%)


Magenta (52%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4676, 0.3940, 0.5092 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 17.4676, 0.3940, 0.5092 by changing the saturation by 10% instead.

 17.4676, 0.3940,
0.5092


 17.4676, 0.3940,
0.5092


237.8528, 0.3546,
0.4059


 10.5684, 0.3993,
0.5367


 39.1280, 0.3817,
0.4694


 5.7774, 0.4114,
0.5856

 54.6580, 0.3763,
0.4550


 2.7102, 0.3904,
0.6096

 73.8338, 0.3714,
0.4431

 0.9824, 0.3275,
0.6725

 97.0398, 0.3672,
0.4331


 0.0000, 0.0000,
0.0000

 124.6602, 0.3634,
0.4247


 157.0796, 0.3601,


0.4175

 194.6824, 0.3572,
0.4113


 17.4676, 0.3940,
0.5092


 17.4676, 0.3940,
0.5092


 17.3297, 0.3957,
0.5184


 17.6309, 0.3899,
0.4959

 17.2481, 0.3964,
0.5235

 17.8205, 0.3835,
0.4787

 18.0396, 0.3750,
0.4583

 18.2905, 0.3649,
0.4355

 18.5753, 0.3536,
0.4112

■ 18.8955, 0.3416,
0.3863

■ 19.2531, 0.3293,
0.3616

■ 19.6494, 0.3172,
0.3377

■ 20.0861, 0.3054,
0.3149

Harmonies

Analogous

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



17.4676, 0.4715, 0.4529



17.4676, 0.3940, 0.5092



17.4676, 0.3013, 0.5082

Triad

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



17.4676, 0.3940, 0.5092



17.4676, 0.1470, 0.2267



17.4676, 0.4018, 0.2534

Complementary

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



17.4676, 0.3940, 0.5092



2.2704, 0.1745, 0.0884

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.



17.4676, 0.2967, 0.2076



17.4676, 0.3940, 0.5092



17.4676, 0.1636, 0.1891

Square

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



17.4676, 0.3940, 0.5092



17.4676, 0.1631, 0.3072



17.4676, 0.2129, 0.1848



17.4676, 0.4867, 0.3145

Rectangle

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



17.4676, 0.3940, 0.5092



17.4676, 0.2422, 0.4584



17.4676, 0.2129, 0.1848



17.4676, 0.3664, 0.2360

Sweetspot

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



17.4684, 0.3940, 0.5092



33.7229, 0.3439, 0.3910



5.3904, 0.5721, 0.3481



7.9022, 0.3474, 0.3982



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.



17.4684, 0.3940, 0.5092



30.8401, 0.3958, 0.5239



15.1098, 0.3292, 0.5564



4.6076, 0.3236, 0.3503



17.8404, 0.3963, 0.5235



84.8291, 0.3951, 0.5245

Inverse Universe

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



2.2704, 0.1745, 0.0884



2.7296, 0.1558, 0.0632



3.8726, 0.2485, 0.1267



3.9173, 0.3013, 0.3071



1.5984, 0.1571, 0.0639



7.4024, 0.1543, 0.0624

Previews

White Background



This preview shows how the Yxy color 17.4676, 0.3940, 0.5092 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 17.4676, 0.3940, 0.5092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

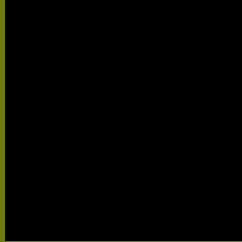
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4676, 0.3940, 0.5092

Background



This preview shows how black text looks on a background with the Yxy color 17.4676, 0.3940, 0.5092.



This preview shows how white text looks on a background with the Yxy color 17.4676, 0.3940, 0.5092.

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

17.4676, 0.3940, 0.5092

Protanopia

17.3597, 0.4345, 0.4800

Deuteranopia

17.3467, 0.4581, 0.4505



Tritanopia

17.3162, 0.3071, 0.3117

Trichromacy



Original Color

17.4676, 0.3940, 0.5092

Protanomaly

17.4516, 0.4188, 0.4911

Deuteranomaly

17.3182, 0.4352, 0.4717

Tritanomaly

17.0393, 0.3478, 0.3922

Monochromacy



Original Color

17.4676, 0.3940, 0.5092

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.5064, 0.3533, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4676, 0.3940, 0.5092 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(109, 123, 20)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 20)  
}
```

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(109, 123, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 20) }
```

Border

The CSS property to change the border of an element to Yxy 17.4676, 0.3940, 0.5092 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(109, 123, 20) }
```

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

```
.border{ border-color:rgb(109, 123, 20) }
```

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

Here you see how a box with a 4 pixel rgb(109, 123, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 20);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4676, 0.3940, 0.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 20) }
```

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

```
.background{ background-color: rgb(109,  
123, 20) }
```

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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