

Converting Colors

$Y_{xy}(17.7376, 0.3444, 0.4317)$

Have a look what the booklet for
Yxy(17.7376, 0.3444, 0.4317)
contains.

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Color

Yxy(17.6636, 0.3454, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	697B4A
RGB	105, 123, 74
RGB Percent	41%, 48%, 29%
CMY	0.5882, 0.5176, 0.7097
CMYK	0.15, 0.00, 0.40, 0.52
HSL	82°, 25%, 39%
HSV	82°, 40%, 48%
XYZ	14.1456, 17.6636, 9.1451
YIQ	112.0320, 5.0010, -19.0550

Conversions

Conversions Part 2

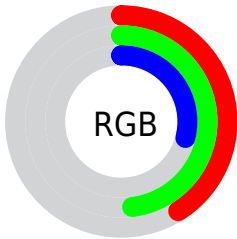
Format	Color
RYB	74, 123, 92
Decimal	6912842
CIELab	49.09, -15.57, 24.63
CIElCh	49, 29.138, 122.300
Yxy	17.6636, 0.3454, 0.4313
Android (android.graphics.Color)	4285102922 (0xFF697B4A)
YUV	112.0320, -18.7498, -6.1671
Hunter-Lab	42.0281, -13.4704, 16.5185

Details

The Yxy color **17.6636, 0.3454, 0.4313** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6057, 0.2684, 0.2213**, and the grayscale version is **16.2691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6488, 0.3392, 0.4075**, and **5.8561, 0.3550, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **17.2480, 0.3520, 0.4581**, and if you desaturate by 10%, it is **18.1277, 0.3378, 0.4042**.

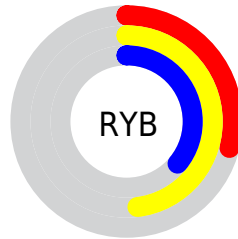
Distribution



Red (41%)

Green (48%)

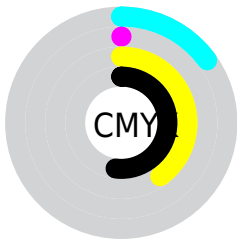
Blue (29%)



Red (29%)

Yellow (48%)

Blue (36%)

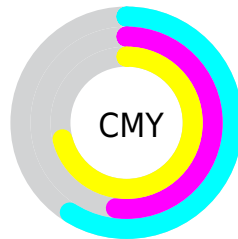


Cyan (15%)

Magenta (0%)

Yellow (40%)

Black (52%)



Cyan (59%)


Magenta (52%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6636, 0.3454, 0.4313 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 17.6636, 0.3454, 0.4313 by changing the saturation by 10% instead.


 17.6636, 0.3454,
0.4313


 17.6636, 0.3454,
0.4313


238.9680, 0.3279,
0.3703


 10.7087, 0.3496,
0.4509


 39.4633, 0.3390,
0.4062


 5.8713, 0.3545,
0.4792

 55.0769, 0.3366,
0.3977


 2.7670, 0.3620,
0.5276

 74.3455, 0.3345,
0.3909

 1.0113, 0.3628,
0.6372

 97.6536, 0.3328,
0.3853

 0.0000, 0.0000,
0.0000

 125.3855, 0.3313,
0.3806

157.9256, 0.3300,

0.3767

195.6583, 0.3289,
0.3733

■ 17.6636, 0.3454,
0.4313

■ 17.6636, 0.3454,
0.4313

■ 17.2480, 0.3520,
0.4581

■ 18.1277, 0.3378,
0.4042

■ 16.8765, 0.3573,
0.4836

■ 18.6400, 0.3295,
0.3777

■ 16.5475, 0.3606,
0.5067


■ 19.2030, 0.3210,
0.3524


■ 16.2585, 0.3619,
0.5262


■ 19.8185, 0.3126,
0.3286


■ 16.0064, 0.3608,
0.5414

■ 20.4881, 0.3043,
0.3066


 15.7819, 0.3583,
0.5535

 21.2134, 0.2964,
0.2865

 15.7780, 0.3583,
0.5537

 21.9959, 0.2890,
0.2682

 22.8370, 0.2820,
0.2517

 23.7380, 0.2755,
0.2369

Harmonies

Analogous

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



17.6636, 0.3942, 0.4200



17.6636, 0.3454, 0.4313



17.6636, 0.2902, 0.4079

Triad

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



17.6636, 0.3454, 0.4313



17.6636, 0.2131, 0.2601



17.6636, 0.3835, 0.3000

Complementary

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



17.6636, 0.3454, 0.4313



8.6057, 0.2684, 0.2213

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.



17.6636, 0.3282, 0.2652



17.6636, 0.3454, 0.4313



17.6636, 0.2326, 0.2417

Square

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



17.6636, 0.3454, 0.4313



17.6636, 0.2167, 0.3004



17.6636, 0.2731, 0.2444



17.6636, 0.4191, 0.3426

Rectangle

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



17.6636, 0.3454, 0.4313



17.6636, 0.2574, 0.3752



17.6636, 0.2731, 0.2444



17.6636, 0.3663, 0.2872

Sweetspot

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



17.6644, 0.3454, 0.4313



34.1295, 0.3231, 0.3585



12.3560, 0.3919, 0.3660



8.0135, 0.3240, 0.3610



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.



17.6644, 0.3454, 0.4313



30.9320, 0.3517, 0.4564



16.3902, 0.3147, 0.4419



4.5638, 0.3204, 0.3505



16.3189, 0.3582, 0.5538



77.3476, 0.3552, 0.5562

Inverse Universe

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



8.6057, 0.2684, 0.2213



12.2660, 0.2550, 0.1930



10.0751, 0.3066, 0.2324



3.9586, 0.3046, 0.3073



2.0579, 0.1826, 0.0779



9.3704, 0.1776, 0.0752

Previews

White Background



This preview shows how the Yxy color 17.6636, 0.3454, 0.4313 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 17.6636, 0.3454, 0.4313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

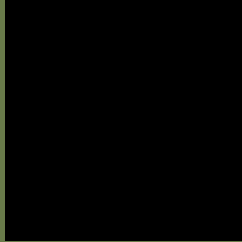
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6636, 0.3454, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 17.6636, 0.3454, 0.4313.



This preview shows how white text looks on a background with the Yxy color 17.6636, 0.3454, 0.4313.

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

17.6636, 0.3454, 0.4313

Protanopia

17.4707, 0.3823, 0.4131

Deuteranopia

17.4801, 0.3984, 0.3904



Tritanopia

17.6737, 0.2962, 0.3114

Trichromacy



Original Color

17.6636, 0.3454, 0.4313

Protanomaly

17.5966, 0.3678, 0.4201

Deuteranomaly

17.2953, 0.3782, 0.4040

Tritanomaly

17.5064, 0.3141, 0.3534

Monochromacy



Original Color

17.6636, 0.3454, 0.4313

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6238, 0.3253, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6636, 0.3454, 0.4313 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(105, 123, 74)` looks like.

```
.text, #text, p{  
    color:rgb(105, 123, 74)  
}
```

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(105, 123, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 123, 74) }
```

Border

The CSS property to change the border of an element to Yxy 17.6636, 0.3454, 0.4313 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(105, 123, 74) }
```

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

```
.border{ border-color:rgb(105, 123, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 123, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 123, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 123, 74);  
box-shadow:4px 4px 4px 4px rgb(105, 123,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6636, 0.3454, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 123, 74) }
```

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

```
.background{ background-color: rgb(105,  
123, 74) }
```

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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