

Converting Colors

$Y_{xy}(17.7999, 0.3582, 0.4413)$

Have a look what the booklet for
Yxy(17.7999, 0.3582, 0.4413)
contains.

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Color

Yxy(17.8345, 0.3571, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	6D7B44
RGB	109, 123, 68
RGB Percent	43%, 48%, 27%
CMY	0.5726, 0.5176, 0.7334
CMYK	0.11, 0.00, 0.45, 0.52
HSL	75°, 29%, 37%
HSV	75°, 45%, 48%
XYZ	14.4317, 17.8345, 8.1474
YIQ	112.5440, 9.3110, -20.0730

Conversions

Conversions Part 2

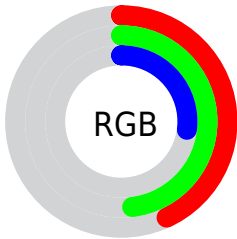
Format	Color
R_{YB}	68, 123, 82
Decimal	7174980
CIE _{Lab}	49.29, -14.70, 28.30
CIE _{LCh}	49, 31.888, 117.447
Yxy	17.8345, 0.3571, 0.4413
Android (android.graphics.Color)	4285365060 (0xFF6D7B44)
YUV	112.5440, -21.9602, -3.1081
Hunter-Lab	42.2309, -12.9048, 18.1232

Details

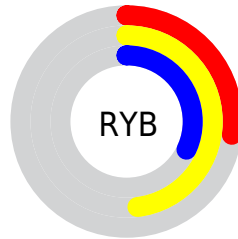
The Yxy color **17.8345, 0.3571, 0.4413** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.3559, 0.2523, 0.2034**, and the grayscale version is **16.4350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5214, 0.3482, 0.4140**, and **5.9161, 0.3702, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **17.5054, 0.3650, 0.4658**, and if you desaturate by 10%, it is **18.2038, 0.3480, 0.4156**.

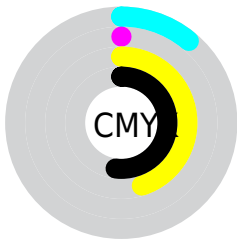
Distribution



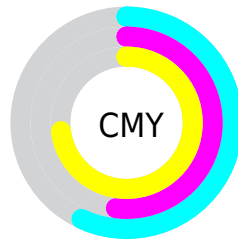
- Red (43%)
- Green (48%)
- Blue (27%)



- Red (27%)
- Yellow (48%)
- Blue (32%)



- Cyan (11%)
- Magenta (0%)
- Yellow (45%)
- Black (52%)





- Cyan (57%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8345, 0.3571, 0.4413 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 17.8345, 0.3571, 0.4413 by changing the saturation by 10% instead.


 17.8345, 0.3571,
0.4413

 17.8345, 0.3571,
0.4413


239.9365, 0.3333,
0.3748

 10.8312, 0.3629,
0.4621


 39.7551, 0.3483,
0.4142


 5.9535, 0.3695,
0.4917

 55.4413, 0.3450,
0.4049

 2.8168, 0.3842,
0.5482

 74.7905, 0.3422,
0.3975

 1.0369, 0.3739,
0.6261

 98.1872, 0.3399,
0.3913

 0.0000, 0.0000,
0.0000

 126.0157, 0.3379,
0.3862

158.6605, 0.3361,

0.3818

196.5060, 0.3346,
0.3781

■ 17.8345, 0.3571,
0.4413

■ 17.8345, 0.3571,
0.4413

■ 17.5054, 0.3650,
0.4658

■ 18.2038, 0.3480,
0.4156

■ 17.2121, 0.3713,
0.4882

■ 18.6128, 0.3381,
0.3897

■ 16.9530, 0.3754,
0.5074

■ 19.0640, 0.3278,
0.3643

■ 16.7255, 0.3773,
0.5227

■ 19.5591, 0.3175,
0.3400

■ 16.5259, 0.3769,
0.5339

■ 20.0996, 0.3075,
0.3171

■ 16.4261, 0.3764,
0.5393

■ 20.6870, 0.2978,
0.2959

■ 21.3227, 0.2887,
0.2764

■ 22.0079, 0.2802,
0.2586

■ 22.7440, 0.2722,
0.2425

Harmonies

Analogous

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



17.8345, 0.4078, 0.4226



17.8345, 0.3571, 0.4413



17.8345, 0.2972, 0.4226

Triad

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



17.8345, 0.3571, 0.4413



17.8345, 0.2041, 0.2593



17.8345, 0.3810, 0.2906

Complementary

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



17.8345, 0.3571, 0.4413



7.3559, 0.2523, 0.2034

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.



17.8345, 0.3191, 0.2554



17.8345, 0.3571, 0.4413



17.8345, 0.2210, 0.2361

Square

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



17.8345, 0.3571, 0.4413



17.8345, 0.2118, 0.3063



17.8345, 0.2611, 0.2358



17.8345, 0.4248, 0.3353

Rectangle

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



17.8345, 0.3571, 0.4413



17.8345, 0.2603, 0.3893



17.8345, 0.2611, 0.2358



17.8345, 0.3612, 0.2774

Sweetspot

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



17.8353, 0.3571, 0.4413



34.2554, 0.3263, 0.3608



10.6237, 0.4110, 0.3576



8.0298, 0.3283, 0.3655



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.



17.8353, 0.3571, 0.4413



31.3112, 0.3654, 0.4672



16.3668, 0.3221, 0.4551



4.5850, 0.3220, 0.3504



16.9882, 0.3764, 0.5394



80.6138, 0.3741, 0.5412

Inverse Universe

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



7.3559, 0.2523, 0.2034



9.9315, 0.2342, 0.1702



8.8293, 0.2949, 0.2174



3.9383, 0.3030, 0.3072



1.7837, 0.1677, 0.0697



8.1570, 0.1635, 0.0674

Previews

White Background



This preview shows how the Yxy color 17.8345, 0.3571, 0.4413 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 17.8345, 0.3571, 0.4413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

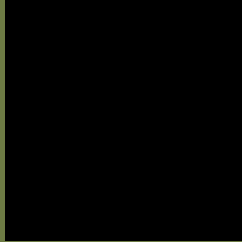
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8345, 0.3571, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 17.8345, 0.3571, 0.4413.



This preview shows how white text looks on a background with the Yxy color 17.8345, 0.3571, 0.4413.

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

17.8345, 0.3571, 0.4413

Protanopia

17.7831, 0.3913, 0.4244

Deuteranopia

17.7941, 0.4081, 0.4015



Tritanopia

17.7101, 0.3011, 0.3098

Trichromacy



Original Color

17.8345, 0.3571, 0.4413

Protanomaly

17.7365, 0.3788, 0.4296

Deuteranomaly

17.6788, 0.3889, 0.4153

Tritanomaly

17.7243, 0.3215, 0.3572

Monochromacy



Original Color

17.8345, 0.3571, 0.4413

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0304, 0.3303, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8345, 0.3571, 0.4413 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 68) }
```

Border

The CSS property to change the border of an element to Yxy 17.8345, 0.3571, 0.4413 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, 68) }
```

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

```
.border{ border-color:rgb(109, 123, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 68);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8345, 0.3571, 0.4413 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, 68) }
```

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

```
.background{ background-color: rgb(109,  
123, 68) }
```

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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