

Converting Colors

Yxy(45.4302, 0.3176, 0.4831)

Have a look what the booklet for
Yxy(45.4302, 0.3176, 0.4831)
contains.

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Color

Yxy(45.4417, 0.3173, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	74C762
RGB	116, 199, 98
RGB Percent	45%, 78%, 38%
CMY	0.5449, 0.2196, 0.6158
CMYK	0.42, 0.00, 0.51, 0.22
HSL	109°, 47%, 58%
HSV	109°, 51%, 78%
XYZ	29.8338, 45.4417, 18.7483
YIQ	162.6690, -17.0470, -49.0070

Conversions

Conversions Part 2

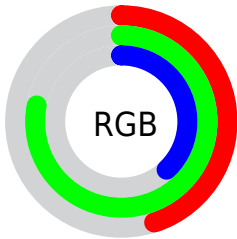
Format	Color
RYB	98, 199, 181
Decimal	7653218
CIELab	73.18, -44.60, 42.50
CIELCh	73, 61.605, 136.386
Yxy	45.4417, 0.3173, 0.4833
Android (android.graphics.Color)	4285843298 (0xFF74C762)
YUV	162.6690, -31.8818, -40.9287
Hunter-Lab	67.4105, -38.9698, 30.6975

Details

The Yxy color **45.4417, 0.3173, 0.4833** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.6712, 0.2983, 0.2006**, and the grayscale version is **36.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5250, 0.3189, 0.4509**, and **21.1124, 0.3121, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **44.0898, 0.3164, 0.5161**, and if you desaturate by 10%, it is **47.0880, 0.3174, 0.4494**.

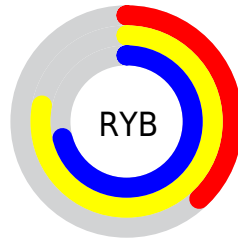
Distribution



Red (45%)

Green (78%)

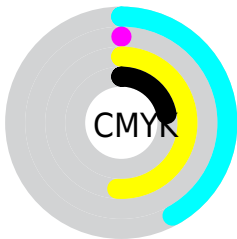
Blue (38%)



Red (38%)

Yellow (78%)

Blue (71%)

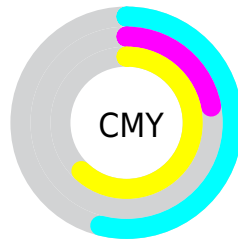


Cyan (42%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (54%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4417, 0.3173, 0.4833 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 45.4417, 0.3173, 0.4833 by changing the saturation by 10% instead.


 45.4417, 0.3173,
0.4833


 45.4417, 0.3173,
0.4833


368.5595, 0.3189,
0.4010


 31.8055, 0.3153,
0.5050


 83.3828, 0.3190,
0.4524

 21.2130, 0.3118,
0.5333


 108.4565, 0.3192,
0.4411

 13.2798, 0.3051,
0.5713


 138.1115, 0.3193,
0.4316

 7.6215, 0.2919,
0.6238

 172.7322, 0.3193,
0.4236

 3.8537, 0.2747,
0.7253

212.7029, 0.3193,
0.4168

 1.5921, 0.1578,
0.8422

258.4081, 0.3192,

 0.3522, 0.0000,

0.4108

1.0000

310.2322, 0.3190,
0.4056

0.0000, 0.0000,
0.0000

45.4417, 0.3173,
0.4833

45.4417, 0.3173,
0.4833

44.0898, 0.3164,
0.5161

47.0880, 0.3174,
0.4494

43.0090, 0.3145,
0.5457

49.0387, 0.3169,
0.4162

42.1819, 0.3118,
0.5696

51.3104, 0.3158,
0.3849

41.5866, 0.3085,
0.5863

53.9171, 0.3144,
0.3564

41.2138, 0.3055,
0.5957

56.8715, 0.3128,
0.3308

■ 60.1859, 0.3112,
0.3082

■ 63.8720, 0.3094,
0.2884

■ 67.7998, 0.3092,
0.2732

■ 69.3263, 0.3153,
0.2742

Harmonies

Analogous

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



45.4417, 0.3975, 0.4805



45.4417, 0.3173, 0.4833



45.4417, 0.2402, 0.4200

Triad

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



45.4417, 0.3173, 0.4833



45.4417, 0.1777, 0.2098



45.4417, 0.4534, 0.3106

Complementary

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



45.4417, 0.3173, 0.4833



22.6712, 0.2983, 0.2006

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.



45.4417, 0.3768, 0.2568



45.4417, 0.3173, 0.4833



45.4417, 0.2182, 0.2010

Square

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



45.4417, 0.3173, 0.4833



45.4417, 0.1669, 0.2496



45.4417, 0.2881, 0.2181



45.4417, 0.4837, 0.3716

Rectangle

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



45.4417, 0.3173, 0.4833



45.4417, 0.2013, 0.3564



45.4417, 0.2881, 0.2181



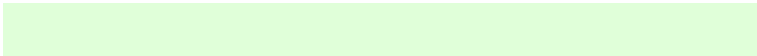
45.4417, 0.4317, 0.2915

Sweetspot

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



45.4436, 0.3173, 0.4833



92.2985, 0.3151, 0.3688



45.8595, 0.3971, 0.4318



19.5482, 0.3154, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4436, 0.3173, 0.4833



76.9617, 0.3162, 0.5197



45.0527, 0.2869, 0.4383



11.9775, 0.3142, 0.3527



26.5293, 0.3061, 0.5952



1.2849, 0.3193, 0.5847

Inverse Universe

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



22.6712, 0.2983, 0.2006



32.5906, 0.2936, 0.1762



23.6639, 0.3566, 0.2418



10.7170, 0.3110, 0.3060



7.7215, 0.2765, 0.1297



0.3914, 0.2863, 0.1351

Previews

White Background



This preview shows how the Yxy color 45.4417, 0.3173, 0.4833 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.4417, 0.3173, 0.4833 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 ✓ Pass

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

Yxy 45.4417, 0.3173, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 45.4417, 0.3173, 0.4833.



This preview shows how white text looks on a background with the Yxy color 45.4417, 0.3173, 0.4833.

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

45.4417, 0.3173, 0.4833

Protanopia

44.8658, 0.4011, 0.4386

Deuteranopia

44.8975, 0.4148, 0.4072



Tritanopia

45.4291, 0.2629, 0.3082

Trichromacy



Original Color

45.4417, 0.3173, 0.4833



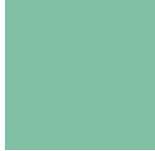
Protanomaly

44.2508, 0.3675, 0.4551



Deuteranomaly

43.7104, 0.3757, 0.4350



Tritanomaly

45.0051, 0.2831, 0.3689

Monochromacy



Original Color

45.4417, 0.3173, 0.4833



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.0257, 0.3162, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4417, 0.3173, 0.4833 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(116, 199, 98)` looks like.

```
.text, #text, p{  
    color:rgb(116, 199, 98)  
}
```

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(116, 199, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 199, 98) }
```

Border

The CSS property to change the border of an element to Yxy 45.4417, 0.3173, 0.4833 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(116, 199, 98) }
```

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

```
.border{ border-color:rgb(116, 199, 98) }
```

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

Here you see how a box with a 4 pixel rgb(116, 199, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 199, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 199, 98);  
box-shadow:4px 4px 4px 4px rgb(116, 199,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4417, 0.3173, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 199, 98) }
```

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

```
.background{ background-color: rgb(116,  
199, 98) }
```

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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