

Converting Colors

$Yxy(49.5870, 0.3078, 0.4669)$

Have a look what the booklet for
Yxy(49.5870, 0.3078, 0.4669)
contains.

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Color

Yxy(49.6454, 0.3076, 0.4663)

Conversions

Conversions Part 1

Format	Color
Hex	75CF73
RGB	117, 207, 115
RGB Percent	46%, 81%, 45%
CMY	0.5409, 0.1883, 0.5491
CMYK	0.43, 0.00, 0.44, 0.19
HSL	119°, 49%, 63%
HSV	119°, 44%, 81%
XYZ	32.7491, 49.6454, 24.0721
YIQ	169.6020, -24.1080, -47.6920

Conversions

Conversions Part 2

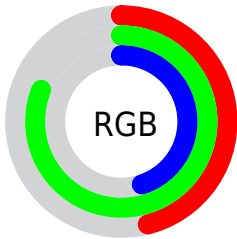
Format	Color
RYB	115, 207, 205
Decimal	7720819
CIELab	75.85, -45.38, 37.43
CIELCh	76, 58.826, 140.484
Yxy	49.6454, 0.3076, 0.4663
Android (android.graphics.Color)	4285910899 (0xFF75CF73)
YUV	169.6020, -26.9188, -46.1320
Hunter-Lab	70.4595, -40.3384, 29.0655

Details

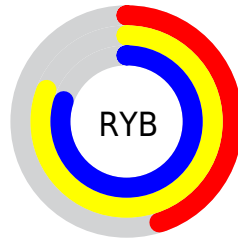
The Yxy color **49.6454, 0.3076, 0.4663** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7318, 0.3156, 0.2206**, and the grayscale version is **40.1430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2314, 0.3108, 0.4307**, and **23.7988, 0.3008, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **47.9691, 0.3060, 0.5018**, and if you desaturate by 10%, it is **51.7358, 0.3090, 0.4310**.

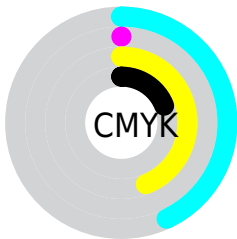
Distribution



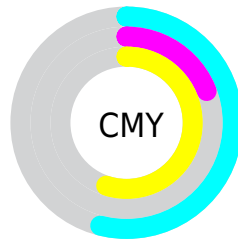
- Red (46%)
- Green (81%)
- Blue (45%)



- Red (45%)
- Yellow (81%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (44%)
- Black (19%)




- Cyan (54%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6454, 0.3076, 0.4663 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 49.6454, 0.3076, 0.4663 by changing the saturation by 10% instead.

 49.6454, 0.3076,
0.4663


 49.6454, 0.3076,
0.4663


385.2776, 0.3131,
0.3940


 35.1317, 0.3052,
0.4853


 89.6493, 0.3104,
0.4393

 23.7644, 0.3013,
0.5100

 115.9082, 0.3112,
0.4293

 15.1589, 0.2950,
0.5433


 146.8511, 0.3118,
0.4210

 8.9310, 0.2838,
0.5900

182.8623, 0.3122,
0.4140

 4.6962, 0.2648,
0.6646

224.3261, 0.3125,
0.4079

 2.0701, 0.2129,
0.7871

271.6270, 0.3128,

 0.6478, 0.0000,

0.4026

1.0000

325.1494, 0.3130,
0.3980

0.0000, 0.0000,
0.0000

49.6454, 0.3076,
0.4663

49.6454, 0.3076,
0.4663

47.9691, 0.3060,
0.5018

51.7358, 0.3090,
0.4310

46.6736, 0.3044,
0.5349

54.2586, 0.3103,
0.3976

45.7310, 0.3029,
0.5631

57.2383, 0.3114,
0.3671


45.1064, 0.3016,
0.5837


60.6961, 0.3124,
0.3400

44.7582, 0.3007,
0.5958

64.6517, 0.3131,
0.3162

 44.6537, 0.3004,
0.5997

 69.1237, 0.3137,
0.2957

 73.1036, 0.3149,
0.2821

Harmonies

Analogous

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



49.6454, 0.3835, 0.4736



49.6454, 0.3076, 0.4663



49.6454, 0.2372, 0.4014

Triad

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



49.6454, 0.3076, 0.4663



49.6454, 0.1893, 0.2146



49.6454, 0.4501, 0.3203

Complementary

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



49.6454, 0.3076, 0.4663



29.7318, 0.3156, 0.2206

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.



49.6454, 0.3836, 0.2678



49.6454, 0.3076, 0.4663



49.6454, 0.2318, 0.2095

Square

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



49.6454, 0.3076, 0.4663



49.6454, 0.1753, 0.2485



49.6454, 0.3009, 0.2286



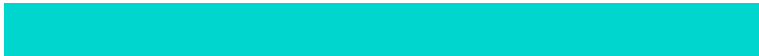
49.6454, 0.4718, 0.3785

Rectangle

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



49.6454, 0.3076, 0.4663



49.6454, 0.2029, 0.3429



49.6454, 0.3009, 0.2286



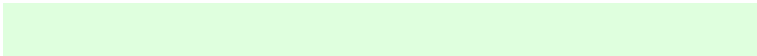
49.6454, 0.4318, 0.3018

Sweetspot

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



49.6475, 0.3076, 0.4663



92.4100, 0.3116, 0.3634



57.6543, 0.3797, 0.4343



19.5325, 0.3113, 0.3698



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.



49.6475, 0.3076, 0.4663



77.0758, 0.3062, 0.4989



50.7338, 0.2810, 0.4010



13.2188, 0.3119, 0.3530



28.1407, 0.3005, 0.5996



1.5780, 0.3023, 0.5982

Inverse Universe

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



29.7318, 0.3156, 0.2206



41.3035, 0.3159, 0.2011



28.2063, 0.3661, 0.2678



11.9949, 0.3134, 0.3061



10.7847, 0.3153, 0.1511



0.6074, 0.3164, 0.1517

Previews

White Background



This preview shows how the Yxy color 49.6454, 0.3076, 0.4663 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 49.6454, 0.3076, 0.4663 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 49.6454, 0.3076, 0.4663

Background



This preview shows how black text looks on a background with the Yxy color 49.6454, 0.3076, 0.4663.

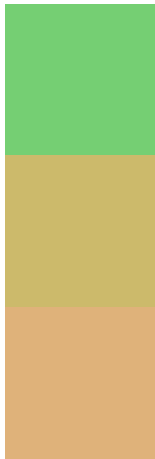


This preview shows how white text looks on a background with the Yxy color 49.6454, 0.3076, 0.4663.

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

49.6454, 0.3076, 0.4663

Protanopia

49.0167, 0.3919, 0.4258

Deuteranopia

48.9339, 0.4020, 0.3945



Tritanopia

49.4676, 0.2597, 0.3075

Trichromacy



Original Color

49.6454, 0.3076, 0.4663



Protanomaly

48.4800, 0.3568, 0.4421



Deuteranomaly

47.9174, 0.3631, 0.4213



Tritanomaly

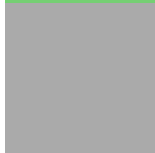
49.1500, 0.2770, 0.3617

Monochromacy



Original Color

49.6454, 0.3076, 0.4663



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.6483, 0.3113, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6454, 0.3076, 0.4663 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(117, 207, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 207, 115)  
}
```

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(117, 207, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 207, 115) }
```

Border

The CSS property to change the border of an element to Yxy 49.6454, 0.3076, 0.4663 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(117, 207, 115) }
```

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

```
.border{ border-color:rgb(117, 207, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 207, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 207, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 207, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 207,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6454, 0.3076, 0.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 207, 115) }
```

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

```
.background{ background-color: rgb(117,  
207, 115) }
```

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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