

# Converting Colors

$Yxy(49.2740, 0.3029, 0.4552)$

Have a look what the booklet for  
Yxy(49.2740, 0.3029, 0.4552)  
contains.

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# Color

**Yxy(49.2608, 0.3029, 0.4551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74CE7A
RGB	116, 206, 122
RGB Percent	45%, 81%, 48%
CMY	0.5451, 0.1921, 0.5215
CMYK	0.44, 0.00, 0.41, 0.19
HSL	124°, 48%, 63%
HSV	124°, 44%, 81%
XYZ	32.7864, 49.2608, 26.1945
YIQ	169.5140, -26.6760, -45.2040

# Conversions

## Conversions Part 2

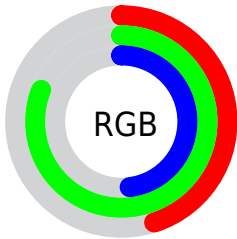
Format	Color
<a href="#">RYB</a>	<a href="#">116, 200, 206</a>
Decimal	<a href="#">7655034</a>
CIELab	<a href="#">75.61, -44.22, 33.57</a>
CIELCh	<a href="#">76, 55.519, 142.801</a>
Yxy	<a href="#">49.2608, 0.3029, 0.4551</a>
Android (android.graphics.Color)	<a href="#">4285845114 (0xFF74CE7A)</a>
YUV	<a href="#">169.5140, -23.4244, -46.9318</a>
Hunter-Lab	<a href="#">70.1860, -39.4418, 27.0023</a>

# Details

The Yxy color **49.2608, 0.3029, 0.4551** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7820, 0.3238, 0.2290**, and the grayscale version is **40.0733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3858, 0.3066, 0.4225**, and **23.5618, 0.2962, 0.4950** is the 20% darker color. If you saturate the color by 10%, you get **47.5739, 0.3010, 0.4891**, and if you desaturate by 10%, it is **51.3591, 0.3051, 0.4218**.

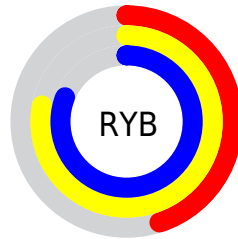
# Distribution



Red (45%)

Green (81%)

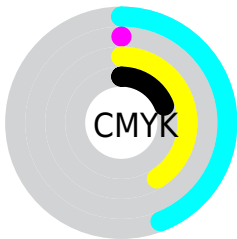
Blue (48%)



Red (45%)

Yellow (78%)

Blue (81%)

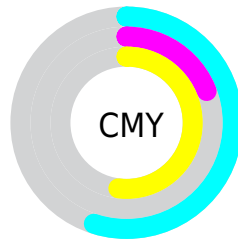


Cyan (44%)

Magenta (0%)

Yellow (41%)

Black (19%)



Cyan (55%)

Magenta (19%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2608, 0.3029, 0.4551 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 49.2608, 0.3029, 0.4551 by changing the saturation by 10% instead.





 49.2608, 0.3029,  
0.4551

 49.2608, 0.3029,  
0.4551


383.7681, 0.3102,  
0.3886


 34.8264, 0.3002,  
0.4726


 89.0787, 0.3062,  
0.4302

 23.5292, 0.2962,  
0.4955


 115.2309, 0.3072,  
0.4211

 14.9847, 0.2898,  
0.5266


 146.0580, 0.3080,  
0.4135

 8.8087, 0.2790,  
0.5708


181.9441, 0.3087,  
0.4070

 4.6166, 0.2594,  
0.6382

223.2738, 0.3092,  
0.4014

 2.0241, 0.2177,  
0.7823

270.4315, 0.3096,

 0.6214, 0.0000,

0.3966

1.0000

323.8014, 0.3100,  
0.3924

0.0000, 0.0000,  
0.0000

49.2608, 0.3029,  
0.4551

49.2608, 0.3029,  
0.4551

47.5739, 0.3010,  
0.4891

51.3591, 0.3051,  
0.4218

46.2656, 0.2994,  
0.5220

53.8868, 0.3074,  
0.3907

45.3085, 0.2985,  
0.5512


56.8681, 0.3097,  
0.3625


44.6683, 0.2983,  
0.5745


60.3238, 0.3119,  
0.3374

44.3044, 0.2987,  
0.5902

64.2733, 0.3140,  
0.3156

 44.1759, 0.2990,  
0.5962

 68.7350, 0.3159,  
0.2966

 72.6248, 0.3150,  
0.2811

# Harmonies

## Analogous

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



49.2608, 0.3755, 0.4673



49.2608, 0.3029, 0.4551



49.2608, 0.2369, 0.3911

# Triad

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



49.2608, 0.3029, 0.4551



49.2608, 0.1971, 0.2187



49.2608, 0.4460, 0.3255

# Complementary

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



49.2608, 0.3029, 0.4551



29.7820, 0.3238, 0.2290

# 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.



49.2608, 0.3858, 0.2743



49.2608, 0.3029, 0.4551



49.2608, 0.2401, 0.2154

# Square

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



49.2608, 0.3029, 0.4551



49.2608, 0.1815, 0.2493



49.2608, 0.3077, 0.2354



49.2608, 0.4633, 0.3816

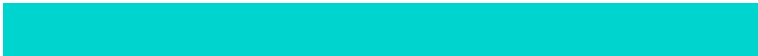


# Rectangle

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



49.2608, 0.3029, 0.4551



49.2608, 0.2053, 0.3362



49.2608, 0.3077, 0.2354



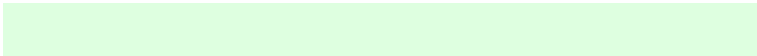
49.2608, 0.4298, 0.3076

# Sweetspot

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



49.2629, 0.3029, 0.4551



92.4112, 0.3098, 0.3611



57.6856, 0.3721, 0.4377



19.5328, 0.3093, 0.3671



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.



49.2629, 0.3029, 0.4551



77.3325, 0.3011, 0.4856



50.6476, 0.2760, 0.3857



12.5489, 0.3107, 0.3513



27.2060, 0.2987, 0.5952



1.4079, 0.2942, 0.5793



# Inverse Universe

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



29.7820, 0.3238, 0.2290



41.9401, 0.3264, 0.2109



27.9788, 0.3761, 0.2797



11.3903, 0.3148, 0.3077



10.4358, 0.3383, 0.1637



0.5424, 0.3345, 0.1617



# Previews

## White Background



This preview shows how the Yxy color 49.2608, 0.3029, 0.4551 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 49.2608, 0.3029, 0.4551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

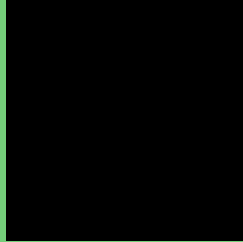
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.2608, 0.3029, 0.4551**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.2608, 0.3029, 0.4551.

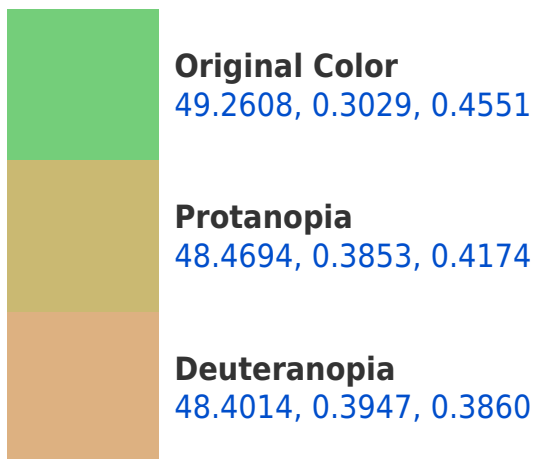


This preview shows how white text looks on a background with the Yxy color 49.2608, 0.3029, 0.4551.

# 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





## Tritanopia

48.8843, 0.2595, 0.3074

# Trichromacy



## Original Color

49.2608, 0.3029, 0.4551



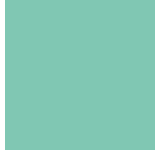
## Protanomaly

48.0822, 0.3514, 0.4324



## Deuteranomaly

47.5401, 0.3572, 0.4114



## Tritanomaly

48.6907, 0.2750, 0.3574

# Monochromacy



## Original Color

49.2608, 0.3029, 0.4551



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

42.6509, 0.3082, 0.3727

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2608, 0.3029, 0.4551 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, 206, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 206, 122)  
}
```

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, 206, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 206, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2608, 0.3029, 0.4551 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, 206, 122) }
```

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

```
.border{ border-color:rgb(116, 206, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 206, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 206, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 206, 122); box-shadow:4px 4px 4px 4px rgb(116, 206, 122) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2608, 0.3029, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 206, 122) }
```

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

```
.background{ background-color: rgb(116,  
206, 122) }
```

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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