

# Converting Colors

$Yxy(48.4825, 0.2928, 0.4522)$

Have a look what the booklet for  
Yxy(48.4825, 0.2928, 0.4522)  
contains.

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# Color

**Yxy(48.5325, 0.2926, 0.4518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67CE7E
RGB	103, 206, 126
RGB Percent	40%, 81%, 49%
CMY	0.5961, 0.1921, 0.5058
CMYK	0.50, 0.00, 0.39, 0.19
HSL	133°, 51%, 61%
HSV	133°, 50%, 81%
XYZ	31.4312, 48.5325, 27.4566
YIQ	166.0830, -35.7080, -46.7160

# Conversions

## Conversions Part 2

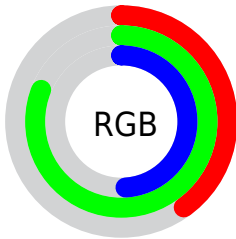
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 187, 206
Decimal	6803070
CIELab	75.16, -47.17, 30.82
CIELCh	75, 56.342, 146.841
Yxy	48.5325, 0.2926, 0.4518
Android (android.graphics.Color)	4284993150 (0xFF67CE7E)
YUV	166.0830, -19.7609, -55.3238
Hunter-Lab	69.6653, -41.3796, 25.3982

# Details

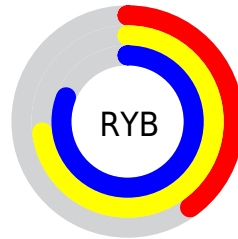
The Yxy color **48.5325, 0.2926, 0.4518** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.2396, 0.3441, 0.2324**, and the grayscale version is **38.2868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2483, 0.2978, 0.4194**, and **23.1473, 0.2831, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **47.0823, 0.2903, 0.4812**, and if you desaturate by 10%, it is **50.3528, 0.2958, 0.4230**.

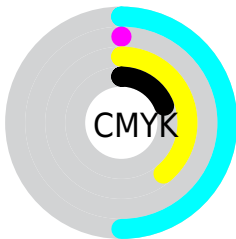
# Distribution



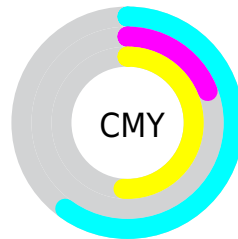
- Red (40%)
- Green (81%)
- Blue (49%)



- Red (40%)
- Yellow (73%)
- Blue (81%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (19%)




- Cyan (60%)
- Magenta (19%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5325, 0.2926, 0.4518 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 48.5325, 0.2926, 0.4518 by changing the saturation by 10% instead.




 48.5325, 0.2926,  
0.4518

 48.5325, 0.2926,  
0.4518


380.8990, 0.3049,  
0.3867


 34.2488, 0.2887,  
0.4691


 87.9967, 0.2976,  
0.4273

 23.0848, 0.2833,  
0.4918

 113.9460, 0.2994,  
0.4184

 14.6561, 0.2752,  
0.5230


 144.5526, 0.3008,  
0.4109

 8.5784, 0.2621,  
0.5677


 180.2009, 0.3019,  
0.4046

 4.4672, 0.2391,  
0.6359

221.2753, 0.3028,  
0.3992

 1.9382, 0.1863,  
0.8137

268.1601, 0.3036,

 0.5712, 0.0000,

0.3945

1.0000

321.2399, 0.3043,  
0.3904

0.0000, 0.0000,  
0.0000

48.5325, 0.2926,  
0.4518

48.5325, 0.2926,  
0.4518

47.0823, 0.2903,  
0.4812

50.3528, 0.2958,  
0.4230

45.9705, 0.2892,  
0.5100

52.5603, 0.2997,  
0.3960

45.1703, 0.2895,  
0.5365

55.1781, 0.3039,  
0.3711

44.6476, 0.2911,  
0.5592

58.2258, 0.3083,  
0.3488

44.3420, 0.2936,  
0.5769

61.7218, 0.3127,  
0.3290

65.6833, 0.3170,  
0.3117

70.1267, 0.3211,  
0.2966

72.5590, 0.3157,  
0.2821

72.6243, 0.3150,  
0.2811

# Harmonies

## Analogous

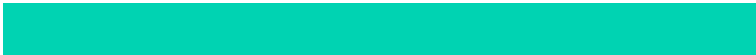
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5325, 0.3667, 0.4717



48.5325, 0.2926, 0.4518



48.5325, 0.2279, 0.3812

# Triad

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



48.5325, 0.2926, 0.4518



48.5325, 0.1994, 0.2148



48.5325, 0.4539, 0.3328

# Complementary

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



48.5325, 0.2926, 0.4518



26.2396, 0.3441, 0.2324

# 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.



48.5325, 0.3972, 0.2798



48.5325, 0.2926, 0.4518



48.5325, 0.2467, 0.2150

# Square

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



48.5325, 0.2926, 0.4518



48.5325, 0.1798, 0.2417



48.5325, 0.3181, 0.2382



48.5325, 0.4647, 0.3898

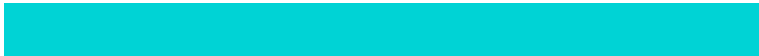


# Rectangle

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



48.5325, 0.2926, 0.4518



48.5325, 0.1985, 0.3252



48.5325, 0.3181, 0.2382



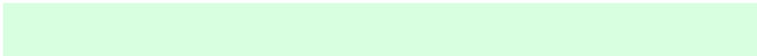
48.5325, 0.4394, 0.3143

# Sweetspot

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



48.5345, 0.2926, 0.4518



91.6861, 0.3060, 0.3600



55.2750, 0.3664, 0.4581



19.4031, 0.3051, 0.3649



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.



48.5345, 0.2926, 0.4518



76.1281, 0.2902, 0.4834



50.1946, 0.2634, 0.3716



12.5774, 0.3086, 0.3475



27.3155, 0.2930, 0.5746



1.4210, 0.2823, 0.5364



# Inverse Universe

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



26.2396, 0.3441, 0.2324



35.9724, 0.3532, 0.2153



24.4927, 0.4116, 0.2923



11.3591, 0.3171, 0.3112



9.6569, 0.3864, 0.1902



0.5090, 0.3711, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 48.5325, 0.2926, 0.4518 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 48.5325, 0.2926, 0.4518 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 48.5325, 0.2926, 0.4518**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5325, 0.2926, 0.4518.

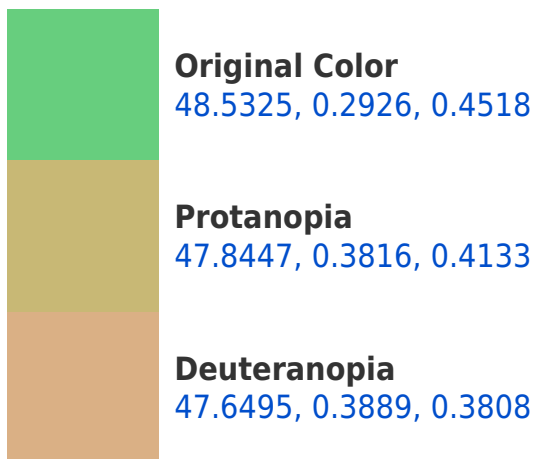


This preview shows how white text looks on a background with the Yxy color 48.5325, 0.2926, 0.4518.

# 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

48.4443, 0.2522, 0.3070

# Trichromacy



## Original Color

48.5325, 0.2926, 0.4518



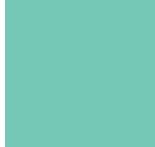
## Protanomaly

47.0547, 0.3443, 0.4290



## Deuteranomaly

46.3825, 0.3481, 0.4066



## Tritanomaly

48.3578, 0.2667, 0.3564

# Monochromacy



## Original Color

48.5325, 0.2926, 0.4518



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

41.1218, 0.3039, 0.3738

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5325, 0.2926, 0.4518 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(103, 206, 126)` looks like.

```
.text, #text, p{  
    color:rgb(103, 206, 126)  
}
```

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(103, 206, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 206, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5325, 0.2926, 0.4518 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(103, 206, 126) }
```

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

```
.border{ border-color:rgb(103, 206, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 206, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 206, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 206, 126);  
box-shadow:4px 4px 4px 4px rgb(103, 206,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5325, 0.2926, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 206, 126) }
```

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

```
.background{ background-color: rgb(103,  
206, 126) }
```

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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