

Converting Colors

$Yxy(48.8040, 0.2862, 0.4637)$

Have a look what the booklet for
Yxy(48.8040, 0.2862, 0.4637)
contains.

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Color

Yxy(49.0323, 0.2865, 0.4645)

Conversions

Conversions Part 1

Format	Color
Hex	57D17A
RGB	87, 209, 122
RGB Percent	34%, 82%, 48%
CMY	0.6589, 0.1804, 0.5215
CMYK	0.58, 0.00, 0.42, 0.18
HSL	137°, 57%, 58%
HSV	137°, 58%, 82%
XYZ	30.2427, 49.0323, 26.2843
YIQ	162.6040, -44.7850, -52.9210

Conversions

Conversions Part 2

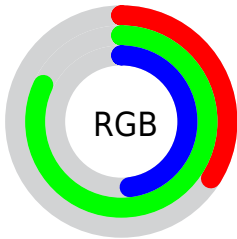
Format	Color
R_{YB}	87, 182, 209
Decimal	5755258
CIE _{Lab}	75.47, -52.93, 33.18
CIE _{LCh}	75, 62.465, 147.916
Yxy	49.0323, 0.2865, 0.4645
Android (android.graphics.Color)	4283945338 (0xFF57D17A)
YUV	162.6040, -20.0178, -66.3047
Hunter-Lab	70.0231, -45.4468, 26.7607

Details

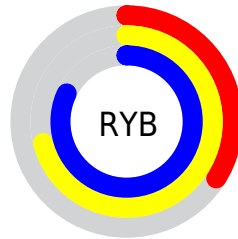
The Yxy color **49.0323, 0.2865, 0.4645** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.4249, 0.3613, 0.2266**, and the grayscale version is **36.5403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7261, 0.2924, 0.4264**, and **23.2568, 0.2746, 0.5079** is the 20% darker color. If you saturate the color by 10%, you get **47.8285, 0.2850, 0.4918**, and if you desaturate by 10%, it is **50.5879, 0.2894, 0.4372**.

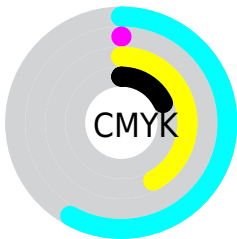
Distribution



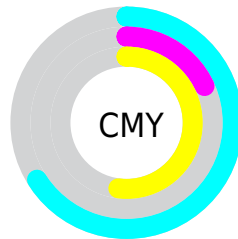
- Red (34%)
- Green (82%)
- Blue (48%)



- Red (34%)
- Yellow (71%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (42%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0323, 0.2865, 0.4645 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 49.0323, 0.2865, 0.4645 by changing the saturation by 10% instead.


 49.0323, 0.2865,
0.4645


 49.0323, 0.2865,
0.4645


382.8695, 0.3023,
0.3924


 34.6451, 0.2816,
0.4837


 88.7394, 0.2929,
0.4374

 23.3896, 0.2748,
0.5090


 114.8281, 0.2951,
0.4275

 14.8815, 0.2647,
0.5435


 145.5862, 0.2969,
0.4192

 8.7362, 0.2488,
0.5928

 181.3979, 0.2984,
0.4122

 4.5695, 0.2216,
0.6685

222.6476, 0.2996,
0.4062

 1.9970, 0.1440,
0.8560

269.7199, 0.3006,

 0.6057, 0.0000,

0.4010

1.0000

322.9991, 0.3015,
0.3964

■ 0.0000, 0.0000,
0.0000

■ 49.0323, 0.2865,
0.4645

■ 49.0323, 0.2865,
0.4645

■ 47.8285, 0.2850,
0.4918

■ 50.5879, 0.2894,
0.4372

■ 46.9419, 0.2850,
0.5179

■ 52.5146, 0.2933,
0.4110

■ 46.3414, 0.2866,
0.5413

■ 54.8371, 0.2979,
0.3865

■ 45.9776, 0.2895,
0.5611

■ 57.5764, 0.3030,
0.3641

■ 45.9297, 0.2900,
0.5640

■ 60.7520, 0.3083,
0.3441

■ 64.3821, 0.3136,
0.3263

■ 68.4839, 0.3188,
0.3107

■ 73.0737, 0.3238,
0.2970

■ 74.0836, 0.3148,
0.2841

Harmonies

Analogous

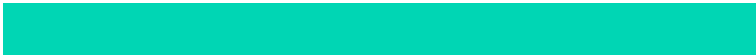
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0323, 0.3673, 0.4870



49.0323, 0.2865, 0.4645



49.0323, 0.2172, 0.3833

Triad

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



49.0323, 0.2865, 0.4645



49.0323, 0.1908, 0.2043



49.0323, 0.4699, 0.3337

Complementary

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



49.0323, 0.2865, 0.4645



23.4249, 0.3613, 0.2266

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.



49.0323, 0.4088, 0.2767



49.0323, 0.2865, 0.4645



49.0323, 0.2426, 0.2059

Square

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



49.0323, 0.2865, 0.4645



49.0323, 0.1689, 0.2313



49.0323, 0.3212, 0.2316



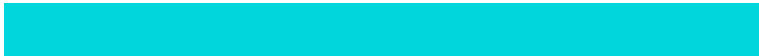
49.0323, 0.4786, 0.3952

Rectangle

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



49.0323, 0.2865, 0.4645



49.0323, 0.1866, 0.3206



49.0323, 0.3212, 0.2316



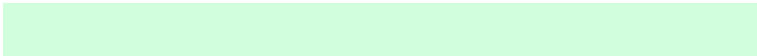
49.0323, 0.4546, 0.3139

Sweetspot

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



49.0343, 0.2865, 0.4645



90.3786, 0.3031, 0.3638



55.3398, 0.3662, 0.4817



19.0584, 0.3016, 0.3701



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.



49.0343, 0.2865, 0.4645



74.6286, 0.2848, 0.4983



51.0299, 0.2538, 0.3676



13.2613, 0.3077, 0.3460



28.3321, 0.2893, 0.5615



1.5979, 0.2788, 0.5238

Inverse Universe

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



23.4249, 0.3613, 0.2266



30.8464, 0.3758, 0.2118



21.5715, 0.4513, 0.2977



11.9488, 0.3181, 0.3126



9.7137, 0.4090, 0.2027



0.5565, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 49.0323, 0.2865, 0.4645 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 49.0323, 0.2865, 0.4645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

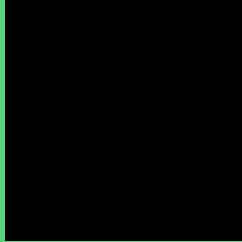
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0323, 0.2865, 0.4645

Background



This preview shows how black text looks on a background with the Yxy color 49.0323, 0.2865, 0.4645.

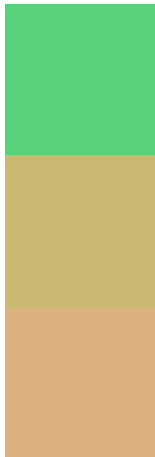


This preview shows how white text looks on a background with the Yxy color 49.0323, 0.2865, 0.4645.

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

49.0323, 0.2865, 0.4645

Protanopia

48.4467, 0.3861, 0.4185

Deuteranopia

48.2716, 0.3929, 0.3850



Tritanopia

48.6880, 0.2459, 0.3069

Trichromacy



Original Color

49.0323, 0.2865, 0.4645



Protanomaly

47.3181, 0.3421, 0.4383



Deuteranomaly

46.6982, 0.3462, 0.4141



Tritanomaly

48.4608, 0.2602, 0.3597

Monochromacy



Original Color

49.0323, 0.2865, 0.4645



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.9315, 0.2997, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0323, 0.2865, 0.4645 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(87, 209, 122)` looks like.

```
.text, #text, p{  
    color:rgb(87, 209, 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(87, 209, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 209, 122) }
```

Border

The CSS property to change the border of an element to Yxy 49.0323, 0.2865, 0.4645 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(87, 209, 122) }
```

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

```
.border{ border-color:rgb(87, 209, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 209, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 209, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 209, 122);  
box-shadow:4px 4px 4px 4px rgb(87, 209,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0323, 0.2865, 0.4645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 209, 122) }
```

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

```
.background{ background-color: rgb(87, 209,  
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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