

Converting Colors

$Yxy(49.0369, 0.2906, 0.4560)$

Have a look what the booklet for
Yxy(49.0369, 0.2906, 0.4560)
contains.

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Color

Yxy(49.1891, 0.2905, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	62D07D
RGB	98, 208, 125
RGB Percent	38%, 82%, 49%
CMY	0.6156, 0.1843, 0.5098
CMYK	0.53, 0.00, 0.40, 0.18
HSL	135°, 54%, 60%
HSV	135°, 53%, 82%
XYZ	31.2953, 49.1891, 27.2447
YIQ	165.6480, -38.9170, -49.1330

Conversions

Conversions Part 2

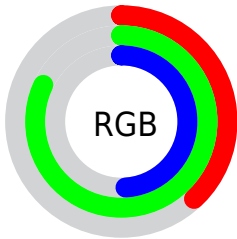
Format	Color
RYB	98, 186, 208
Decimal	6475901
CIELab	75.57, -49.43, 31.85
CIELCh	76, 58.802, 147.206
Yxy	49.1891, 0.2905, 0.4566
Android (android.graphics.Color)	4284665981 (0xFF62D07D)
YUV	165.6480, -20.0395, -59.3273
Hunter-Lab	70.1349, -43.0867, 26.0626

Details

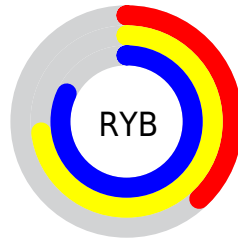
The Yxy color **49.1891, 0.2905, 0.4566** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.4856, 0.3495, 0.2300**, and the grayscale version is **38.0694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8023, 0.2961, 0.4213**, and **23.6138, 0.2802, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **47.8103, 0.2884, 0.4854**, and if you desaturate by 10%, it is **50.9359, 0.2936, 0.4283**.

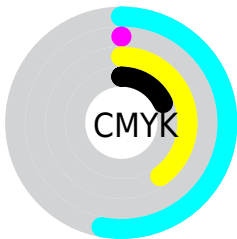
Distribution



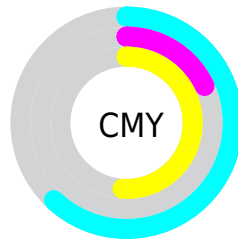
- Red (38%)
- Green (82%)
- Blue (49%)



- Red (38%)
- Yellow (73%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (40%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1891, 0.2905, 0.4566 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 49.1891, 0.2905, 0.4566 by changing the saturation by 10% instead.


 49.1891, 0.2905,
0.4566


 49.1891, 0.2905,
0.4566


383.4863, 0.3040,
0.3890


 34.7695, 0.2863,
0.4745


 88.9722, 0.2960,
0.4312

 23.4854, 0.2804,
0.4981


 115.1046, 0.2979,
0.4219

 14.9523, 0.2716,
0.5303


 145.9100, 0.2994,
0.4142

 8.7859, 0.2576,
0.5764

 181.7728, 0.3007,
0.4076

 4.6018, 0.2333,
0.6465

223.0774, 0.3017,
0.4019

 2.0156, 0.1763,
0.8237

270.2083, 0.3026,

 0.6165, 0.0000,

0.3971

1.0000

323.5498, 0.3034,
0.3928

■ 0.0000, 0.0000,
0.0000

■ 49.1891, 0.2905,
0.4566

■ 49.1891, 0.2905,
0.4566

■ 47.8103, 0.2884,
0.4854

■ 50.9359, 0.2936,
0.4283

■ 46.7668, 0.2877,
0.5132

■ 53.0688, 0.2976,
0.4014

■ 46.0299, 0.2884,
0.5387

■ 55.6116, 0.3020,
0.3766

■ 45.5631, 0.2905,
0.5603

■ 58.5847, 0.3066,
0.3542

■ 45.3523, 0.2924,
0.5728

■ 62.0069, 0.3114,
0.3343

65.8961, 0.3160,
0.3168

70.2690, 0.3205,
0.3014

73.3116, 0.3179,
0.2872

73.5931, 0.3149,
0.2831

Harmonies

Analogous

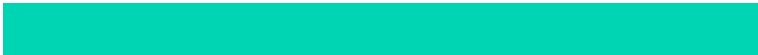
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1891, 0.3672, 0.4774



49.1891, 0.2905, 0.4566



49.1891, 0.2240, 0.3822

Triad

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



49.1891, 0.2905, 0.4566



49.1891, 0.1961, 0.2109



49.1891, 0.4598, 0.3331

Complementary

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



49.1891, 0.2905, 0.4566



25.4856, 0.3495, 0.2300

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.



49.1891, 0.4014, 0.2785



49.1891, 0.2905, 0.4566



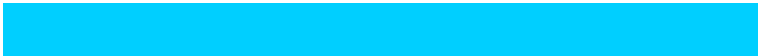
49.1891, 0.2450, 0.2115

Square

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



49.1891, 0.2905, 0.4566



49.1891, 0.1757, 0.2379



49.1891, 0.3191, 0.2356



49.1891, 0.4700, 0.3918

Rectangle

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



49.1891, 0.2905, 0.4566



49.1891, 0.1941, 0.3237



49.1891, 0.3191, 0.2356



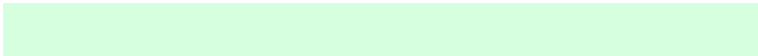
49.1891, 0.4450, 0.3141

Sweetspot

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



49.1911, 0.2905, 0.4566



91.2394, 0.3051, 0.3614



55.9816, 0.3673, 0.4659



19.3169, 0.3041, 0.3660



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.



49.1911, 0.2905, 0.4566



75.6327, 0.2883, 0.4878



50.9520, 0.2604, 0.3717



13.2532, 0.3083, 0.3470



28.2783, 0.2918, 0.5706



1.5940, 0.2816, 0.5339

Inverse Universe

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



25.4856, 0.3495, 0.2300



34.2646, 0.3598, 0.2140



23.6898, 0.4232, 0.2929



11.9574, 0.3175, 0.3116



9.8905, 0.3940, 0.1944



0.5651, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 49.1891, 0.2905, 0.4566 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 49.1891, 0.2905, 0.4566 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 49.1891, 0.2905, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 49.1891, 0.2905, 0.4566.



This preview shows how white text looks on a background with the Yxy color 49.1891, 0.2905, 0.4566.

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

49.1891, 0.2905, 0.4566

Protanopia

48.5154, 0.3837, 0.4150

Deuteranopia

48.3259, 0.3912, 0.3827



Tritanopia

48.7297, 0.2503, 0.3070

Trichromacy



Original Color

49.1891, 0.2905, 0.4566



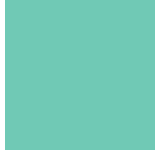
Protanomaly

47.3644, 0.3438, 0.4318



Deuteranomaly

46.7815, 0.3486, 0.4092



Tritanomaly

48.5542, 0.2647, 0.3579

Monochromacy



Original Color

49.1891, 0.2905, 0.4566



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.9448, 0.3023, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1891, 0.2905, 0.4566 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(98, 208, 125)` looks like.

```
.text, #text, p{  
    color:rgb(98, 208, 125)  
}
```

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(98, 208, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 208, 125) }
```

Border

The CSS property to change the border of an element to Yxy 49.1891, 0.2905, 0.4566 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(98, 208, 125) }
```

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

```
.border{ border-color:rgb(98, 208, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 208, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 208, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 208, 125);  
box-shadow:4px 4px 4px 4px rgb(98, 208,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1891, 0.2905, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 208, 125) }
```

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

```
.background{ background-color: rgb(98, 208,  
125) }
```

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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