

Converting Colors

$Yxy(49.7572, 0.2759, 0.4298)$

Have a look what the booklet for
Yxy(49.7572, 0.2759, 0.4298)
contains.

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Color

Yxy(49.7079, 0.2760, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	59D18F
RGB	89, 209, 143
RGB Percent	35%, 82%, 56%
CMY	0.6512, 0.1804, 0.4391
CMYK	0.57, 0.00, 0.32, 0.18
HSL	147°, 57%, 58%
HSV	147°, 57%, 82%
XYZ	31.8759, 49.7079, 33.9085
YIQ	165.5960, -50.3340, -45.9660

Conversions

Conversions Part 2

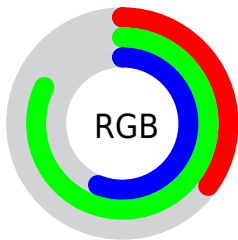
Format	Color
RYB	89, 172, 209
Decimal	5886351
CIELab	75.89, -48.69, 22.87
CIELCh	76, 53.793, 154.845
Yxy	49.7079, 0.2760, 0.4304
Android (android.graphics.Color)	4284076431 (0xFF59D18F)
YUV	165.5960, -11.1398, -67.1747
Hunter-Lab	70.5038, -42.6791, 20.8374

Details

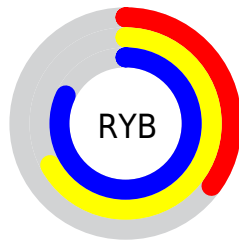
The Yxy color **49.7079, 0.2760, 0.4304** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **23.0581, 0.3873, 0.2496**, and the grayscale version is **37.9969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8471, 0.2825, 0.3984**, and **23.9484, 0.2639, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **48.4886, 0.2733, 0.4519**, and if you desaturate by 10%, it is **51.2603, 0.2803, 0.4095**.

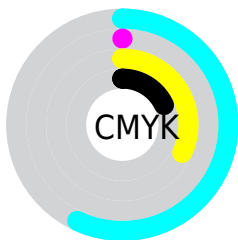
Distribution



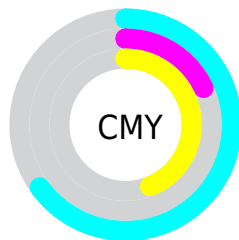
- Red (35%)
- Green (82%)
- Blue (56%)



- Red (35%)
- Yellow (67%)
- Blue (82%)



- Cyan (57%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)





- Cyan (65%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7079, 0.2760, 0.4304 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 49.7079, 0.2760, 0.4304 by changing the saturation by 10% instead.

 49.7079, 0.2760,
0.4304

 49.7079, 0.2760,
0.4304


385.5226, 0.2957,
0.3771


 35.1814, 0.2706,
0.4445


 89.7419, 0.2835,
0.4104


 23.8026, 0.2635,
0.4630


 116.0182, 0.2862,
0.4031

 15.1873, 0.2536,
0.4884


 146.9799, 0.2885,
0.3970

 8.9509, 0.2390,
0.5251

 183.0113, 0.2904,
0.3918

 4.7092, 0.2155,
0.5821

224.4969, 0.2920,
0.3874

 2.0777, 0.1680,
0.7220

271.8210, 0.2934,

 0.6520, 0.0000,

0.3835

1.0000

325.3681, 0.2946,
0.3801

■ 0.0000, 0.0000,
0.0000

■ 49.7079, 0.2760,
0.4304

■ 49.7079, 0.2760,
0.4304

■ 48.4886, 0.2733,
0.4519

■ 51.2603, 0.2803,
0.4095

■ 47.5697, 0.2725,
0.4735

■ 53.1634, 0.2859,
0.3896

■ 46.9221, 0.2736,
0.4943


■ 55.4405, 0.2924,
0.3712

■ 46.5034, 0.2765,
0.5138


■ 58.1113, 0.2995,
0.3544

■ 46.4150, 0.2774,
0.5185

■ 61.1940, 0.3070,
0.3392

 64.7056, 0.3147,
0.3257

 68.6622, 0.3223,
0.3137

 72.8583, 0.3288,
0.3032

 73.5437, 0.3207,
0.2921

Harmonies

Analogous

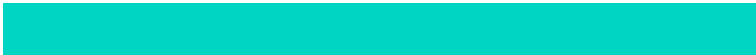
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.7079, 0.3462, 0.4641



49.7079, 0.2760, 0.4304



49.7079, 0.2195, 0.3572

Triad

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



49.7079, 0.2760, 0.4304



49.7079, 0.2141, 0.2177



49.7079, 0.4539, 0.3478

Complementary

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



49.7079, 0.2760, 0.4304



23.0581, 0.3873, 0.2496

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.



49.7079, 0.4105, 0.2951



49.7079, 0.2760, 0.4304



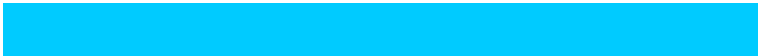
49.7079, 0.2663, 0.2239

Square

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



49.7079, 0.2760, 0.4304



49.7079, 0.1881, 0.2365



49.7079, 0.3384, 0.2514



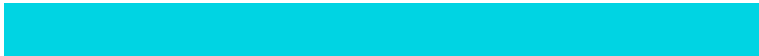
49.7079, 0.4523, 0.4022

Rectangle

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



49.7079, 0.2760, 0.4304



49.7079, 0.1962, 0.3063



49.7079, 0.3384, 0.2514



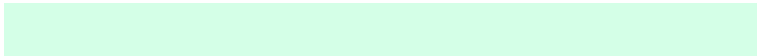
49.7079, 0.4441, 0.3297

Sweetspot

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



49.7099, 0.2760, 0.4304



91.2444, 0.2997, 0.3540



53.2920, 0.3493, 0.4883



19.3362, 0.2982, 0.3572



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.



49.7099, 0.2760, 0.4304



75.6630, 0.2729, 0.4570



52.0381, 0.2443, 0.3373



13.2935, 0.3055, 0.3421



28.6351, 0.2766, 0.5159



1.6170, 0.2667, 0.4800

Inverse Universe

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



23.0581, 0.3873, 0.2496



29.9843, 0.4120, 0.2383



21.5189, 0.4784, 0.3225



11.9154, 0.3206, 0.3163



9.1394, 0.4737, 0.2383



0.5269, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 49.7079, 0.2760, 0.4304 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 49.7079, 0.2760, 0.4304 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 49.7079, 0.2760, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 49.7079, 0.2760, 0.4304.

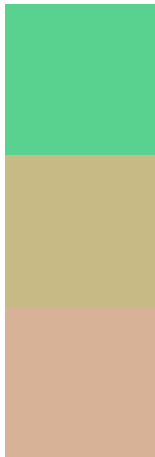


This preview shows how white text looks on a background with the Yxy color 49.7079, 0.2760, 0.4304.

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

49.7079, 0.2760, 0.4304

Protanopia

49.0906, 0.3679, 0.3960

Deuteranopia

48.6417, 0.3712, 0.3630



Tritanopia

49.6459, 0.2449, 0.3070

Trichromacy



Original Color

49.7079, 0.2760, 0.4304



Protanomaly

47.8633, 0.3272, 0.4089



Deuteranomaly

47.0478, 0.3291, 0.3867



Tritanomaly

49.2696, 0.2560, 0.3490

Monochromacy



Original Color

49.7079, 0.2760, 0.4304



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.3278, 0.2947, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7079, 0.2760, 0.4304 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(89, 209, 143)` looks like.

```
.text, #text, p{  
    color:rgb(89, 209, 143)  
}
```

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(89, 209, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 209, 143) }
```

Border

The CSS property to change the border of an element to Yxy 49.7079, 0.2760, 0.4304 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(89, 209, 143) }
```

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

```
.border{ border-color:rgb(89, 209, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 209, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 209, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 209, 143);  
box-shadow:4px 4px 4px 4px rgb(89, 209,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7079, 0.2760, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 209, 143) }
```

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

```
.background{ background-color: rgb(89, 209,  
143) }
```

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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