

Converting Colors

Yxy(49.1696, 0.2754, 0.4293)

Have a look what the booklet for
Yxy(49.1696, 0.2754, 0.4293)
contains.

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Color

Yxy(49.1696, 0.2754, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	58D08F
RGB	88, 208, 143
RGB Percent	35%, 82%, 56%
CMY	0.6547, 0.1843, 0.4391
CMYK	0.58, 0.00, 0.31, 0.18
HSL	147°, 56%, 58%
HSV	147°, 58%, 82%
XYZ	31.5428, 49.1696, 33.8220
YIQ	164.7100, -50.6550, -45.6550

Conversions

Conversions Part 2

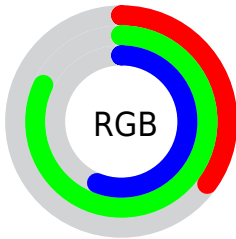
Format	Color
RYB	88, 170, 208
Decimal	5820559
CIELab	75.56, -48.47, 22.41
CIElCh	76, 53.399, 155.189
Yxy	49.1696, 0.2754, 0.4293
Android (android.graphics.Color)	4284010639 (0xFF58D08F)
YUV	164.7100, -10.7030, -67.2747
Hunter-Lab	70.1210, -42.4166, 20.4869

Details

The Yxy color **49.1696, 0.2754, 0.4293** 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 **22.6981, 0.3890, 0.2505**, and the grayscale version is **37.5587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7543, 0.2821, 0.3985**, and **23.6003, 0.2630, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **47.9720, 0.2727, 0.4505**, and if you desaturate by 10%, it is **50.6951, 0.2797, 0.4087**.

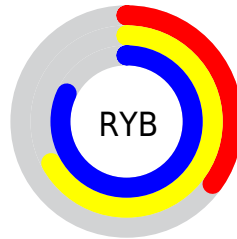
Distribution



Red (35%)

Green (82%)

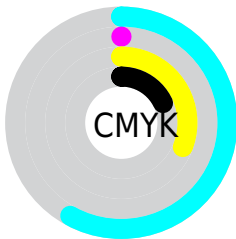
Blue (56%)



Red (35%)

Yellow (67%)

Blue (82%)

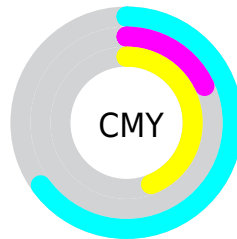


Cyan (58%)

Magenta (0%)

Yellow (31%)

Black (18%)



Cyan (65%)


Magenta (18%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1696, 0.2754, 0.4293 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 49.1696, 0.2754, 0.4293 by changing the saturation by 10% instead.


 49.1696, 0.2754,
0.4293

 49.1696, 0.2754,
0.4293

383.4096, 0.2954,
0.3765

 34.7540, 0.2700,
0.4433

 88.9433, 0.2830,
0.4095

 23.4735, 0.2628,
0.4617


 115.0702, 0.2857,
0.4023

 14.9435, 0.2527,
0.4870


 145.8697, 0.2880,
0.3962

 8.7797, 0.2379,
0.5236

 181.7262, 0.2900,
0.3911

 4.5978, 0.2142,
0.5806

223.0240, 0.2916,
0.3867

 2.0133, 0.1635,
0.7253

270.1476, 0.2931,

 0.6152, 0.0000,

0.3828

1.0000

323.4813, 0.2943,
0.3795

■ 0.0000, 0.0000,
0.0000

■ 49.1696, 0.2754,
0.4293

■ 49.1696, 0.2754,
0.4293

■ 47.9720, 0.2727,
0.4505

■ 50.6951, 0.2797,
0.4087

■ 47.0699, 0.2718,
0.4718

■ 52.5657, 0.2854,
0.3891

■ 46.4345, 0.2730,
0.4923

■ 54.8047, 0.2919,
0.3709

■ 46.0228, 0.2759,
0.5116

■ 57.4314, 0.2992,
0.3543

■ 45.9427, 0.2766,
0.5159

■ 60.4637, 0.3068,
0.3394

■ 63.9186, 0.3145,
0.3260

■ 67.8119, 0.3222,
0.3142

■ 72.1586, 0.3298,
0.3038

■ 72.9284, 0.3222,
0.2930

Harmonies

Analogous

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



49.1696, 0.3453, 0.4635



49.1696, 0.2754, 0.4293



49.1696, 0.2193, 0.3562

Triad

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



49.1696, 0.2754, 0.4293



49.1696, 0.2149, 0.2180



49.1696, 0.4536, 0.3484

Complementary

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



49.1696, 0.2754, 0.4293



22.6981, 0.3890, 0.2505

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.



49.1696, 0.4108, 0.2958



49.1696, 0.2754, 0.4293



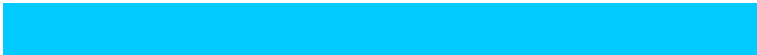
49.1696, 0.2672, 0.2245

Square

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



49.1696, 0.2754, 0.4293



49.1696, 0.1886, 0.2365



49.1696, 0.3392, 0.2521



49.1696, 0.4516, 0.4026

Rectangle

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



49.1696, 0.2754, 0.4293



49.1696, 0.1963, 0.3056



49.1696, 0.3392, 0.2521



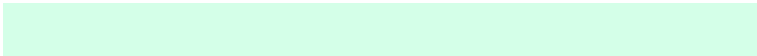
49.1696, 0.4440, 0.3303

Sweetspot

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



49.1716, 0.2754, 0.4293



91.2638, 0.2995, 0.3536



52.6882, 0.3494, 0.4889



19.3408, 0.2980, 0.3568



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.



49.1716, 0.2754, 0.4293



75.7115, 0.2723, 0.4551



51.4521, 0.2442, 0.3373



13.2951, 0.3054, 0.3419



28.6538, 0.2759, 0.5133



1.6181, 0.2661, 0.4778

Inverse Universe

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



22.6981, 0.3890, 0.2505



29.9294, 0.4140, 0.2396



21.2063, 0.4794, 0.3224



11.9138, 0.3207, 0.3165



9.1161, 0.4770, 0.2401



0.5256, 0.4406, 0.2201

Previews

White Background



This preview shows how the Yxy color 49.1696, 0.2754, 0.4293 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 49.1696, 0.2754, 0.4293 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 49.1696, 0.2754, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 49.1696, 0.2754, 0.4293.



This preview shows how white text looks on a background with the Yxy color 49.1696, 0.2754, 0.4293.

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

49.1696, 0.2754, 0.4293

Protanopia

48.5335, 0.3674, 0.3951

Deuteranopia

48.4899, 0.3703, 0.3631



Tritanopia

49.0681, 0.2447, 0.3069

Trichromacy



Original Color

49.1696, 0.2754, 0.4293



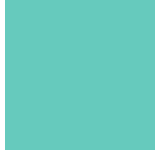
Protanomaly

47.3170, 0.3266, 0.4079



Deuteranomaly

46.9368, 0.3283, 0.3869



Tritanomaly

48.7400, 0.2553, 0.3477

Monochromacy



Original Color

49.1696, 0.2754, 0.4293



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8004, 0.2946, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1696, 0.2754, 0.4293 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(88, 208, 143)` looks like.

```
.text, #text, p{  
    color:rgb(88, 208, 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(88, 208, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 208, 143) }
```

Border

The CSS property to change the border of an element to Yxy 49.1696, 0.2754, 0.4293 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(88, 208, 143) }
```

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

```
.border{ border-color:rgb(88, 208, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 208, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 208, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 208, 143);  
box-shadow:4px 4px 4px 4px rgb(88, 208,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1696, 0.2754, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 208, 143) }
```

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

```
.background{ background-color: rgb(88, 208,  
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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