

Converting Colors

Yxy(50.0314, 0.2917, 0.5061)

Have a look what the booklet for
Yxy(50.0314, 0.2917, 0.5061)
contains.

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Color

Yxy(49.9058, 0.2920, 0.5060)

Conversions

Conversions Part 1

Format	Color
Hex	49D563
RGB	73, 213, 99
RGB Percent	29%, 84%, 39%
CMY	0.7134, 0.1647, 0.6117
CMYK	0.66, 0.00, 0.54, 0.16
HSL	131°, 62%, 56%
HSV	131°, 66%, 84%
XYZ	28.7994, 49.9058, 19.9229
YIQ	158.1440, -46.8460, -65.1340

Conversions

Conversions Part 2

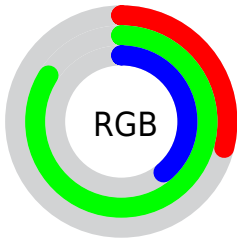
Format	Color
RYB	73, 191, 213
Decimal	4838755
CIELab	76.01, -60.77, 45.10
CIELCh	76, 75.677, 143.422
Yxy	49.9058, 0.2920, 0.5060
Android (android.graphics.Color)	4283028835 (0xFF49D563)
YUV	158.1440, -29.1580, -74.6713
Hunter-Lab	70.6440, -50.8581, 32.7300

Details

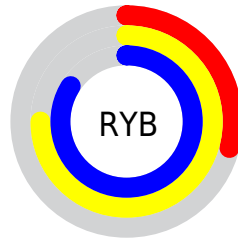
The Yxy color **49.9058, 0.2920, 0.5060** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **22.5128, 0.3506, 0.2034**, and the grayscale version is **34.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0212, 0.2984, 0.4572**, and **24.3192, 0.2882, 0.5576** is the 20% darker color. If you saturate the color by 10%, you get **48.9154, 0.2917, 0.5342**, and if you desaturate by 10%, it is **51.2566, 0.2935, 0.4757**.

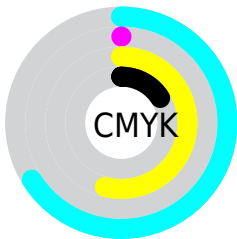
Distribution



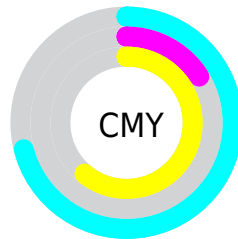
- Red (29%)
- Green (84%)
- Blue (39%)



- Red (29%)
- Yellow (75%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (54%)
- Black (16%)




- Cyan (71%)
- Magenta (16%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9058, 0.2920, 0.5060 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 49.9058, 0.2920, 0.5060 by changing the saturation by 10% instead.


 49.9058, 0.2920,
0.5060

 49.9058, 0.2920,
0.5060


386.2974, 0.3071,
0.4115

 35.3386, 0.2865,
0.5309


 90.0353, 0.2987,
0.4706


 23.9238, 0.2784,
0.5632


 116.3663, 0.3009,
0.4576

 15.2771, 0.2659,
0.6065


 147.3874, 0.3025,
0.4467

 9.0141, 0.2451,
0.6658

 183.4829, 0.3039,
0.4375

 4.7504, 0.2180,
0.7820

225.0373, 0.3049,
0.4296

 2.1016, 0.0874,
0.9126

272.4349, 0.3058,

 0.6655, 0.0000,

0.4228

1.0000

326.0602, 0.3065,
0.4168

■ 0.0000, 0.0000,
0.0000

■ 49.9058, 0.2920,
0.5060

■ 49.9058, 0.2920,
0.5060

■ 48.9154, 0.2917,
0.5342

■ 51.2566, 0.2935,
0.4757

■ 48.2440, 0.2926,
0.5584

■ 52.9918, 0.2960,
0.4451


■ 47.8510, 0.2946,
0.5772

■ 55.1407, 0.2992,
0.4155


■ 47.7365, 0.2954,
0.5835

■ 57.7280, 0.3028,
0.3879

■ 60.7761, 0.3066,
0.3629

 64.3064, 0.3105,
0.3405

 68.3384, 0.3143,
0.3208

 72.8910, 0.3180,
0.3037

 76.0668, 0.3146,
0.2881

Harmonies

Analogous

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



49.9058, 0.3860, 0.5145



49.9058, 0.2920, 0.5060



49.9058, 0.2086, 0.4122

Triad

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



49.9058, 0.2920, 0.5060



49.9058, 0.1655, 0.1860



49.9058, 0.4940, 0.3203

Complementary

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



49.9058, 0.2920, 0.5060



22.5128, 0.3506, 0.2034

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.



49.9058, 0.4126, 0.2579



49.9058, 0.2920, 0.5060



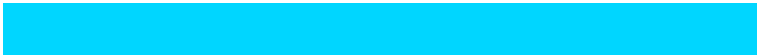
49.9058, 0.2184, 0.1845

Square

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



49.9058, 0.2920, 0.5060



49.9058, 0.1457, 0.2201



49.9058, 0.3060, 0.2099



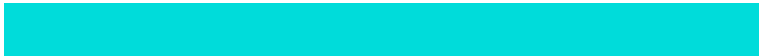
49.9058, 0.5112, 0.3893

Rectangle

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



49.9058, 0.2920, 0.5060



49.9058, 0.1708, 0.3327



49.9058, 0.3060, 0.2099



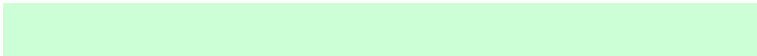
49.9058, 0.4729, 0.2985

Sweetspot

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



49.9079, 0.2920, 0.5060



89.1845, 0.3049, 0.3739



58.6776, 0.3814, 0.4910



18.8148, 0.3038, 0.3811



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.



49.9079, 0.2920, 0.5060



73.0452, 0.2919, 0.5447



51.8597, 0.2568, 0.3954



13.9332, 0.3091, 0.3485



29.1717, 0.2949, 0.5816



1.7709, 0.2863, 0.5507

Inverse Universe

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



22.5128, 0.3506, 0.2034



28.9010, 0.3609, 0.1891



20.2157, 0.4567, 0.2793



12.5914, 0.3166, 0.3102



10.5106, 0.3738, 0.1833



0.6444, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 49.9058, 0.2920, 0.5060 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 49.9058, 0.2920, 0.5060 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 49.9058, 0.2920, 0.5060

Background



This preview shows how black text looks on a background with the Yxy color 49.9058, 0.2920, 0.5060.

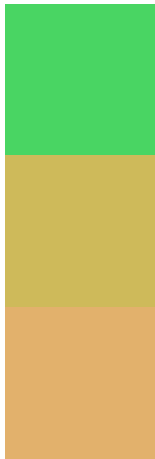


This preview shows how white text looks on a background with the Yxy color 49.9058, 0.2920, 0.5060.

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

49.9058, 0.2920, 0.5060

Protanopia

48.9778, 0.4056, 0.4428

Deuteranopia

48.6957, 0.4168, 0.4077



Tritanopia

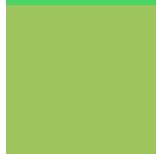
49.4441, 0.2425, 0.3056

Trichromacy



Original Color

49.9058, 0.2920, 0.5060



Protanomaly

47.5393, 0.3546, 0.4707



Deuteranomaly

46.3929, 0.3600, 0.4449



Tritanomaly

49.1515, 0.2609, 0.3750

Monochromacy



Original Color

49.9058, 0.2920, 0.5060



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.1590, 0.3014, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9058, 0.2920, 0.5060 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(73, 213, 99)` looks like.

```
.text, #text, p{  
    color:rgb(73, 213, 99)  
}
```

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(73, 213, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 213, 99) }
```

Border

The CSS property to change the border of an element to Yxy 49.9058, 0.2920, 0.5060 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(73, 213, 99) }
```

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

```
.border{ border-color:rgb(73, 213, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 213, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 213, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 213, 99);  
box-shadow:4px 4px 4px 4px rgb(73, 213,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9058, 0.2920, 0.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 213, 99) }
```

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

```
.background{ background-color: rgb(73, 213,  
99) }
```

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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