

Converting Colors

$Yxy(49.8872, 0.3128, 0.5360)$

Have a look what the booklet for
Yxy(49.8872, 0.3128, 0.5360)
contains.

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Color

Yxy(49.8172, 0.3130, 0.5359)

Conversions

Conversions Part 1

Format	Color
Hex	5CD447
RGB	92, 212, 71
RGB Percent	36%, 83%, 28%
CMY	0.6391, 0.1686, 0.7215
CMYK	0.57, 0.00, 0.66, 0.17
HSL	111°, 62%, 55%
HSV	111°, 66%, 83%
XYZ	29.0964, 49.8172, 14.0462
YIQ	160.0460, -26.2590, -69.2910

Conversions

Conversions Part 2

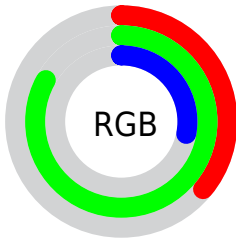
Format	Color
RYB	71, 212, 191
Decimal	6083655
CIELab	75.96, -59.39, 57.49
CIELCh	76, 82.655, 135.929
Yxy	49.8172, 0.3130, 0.5359
Android (android.graphics.Color)	4284273735 (0xFF5CD447)
YUV	160.0460, -43.8997, -59.6763
Hunter-Lab	70.5813, -49.9324, 37.6077

Details

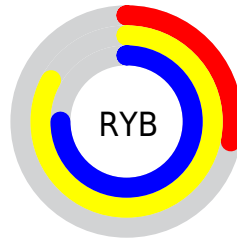
The Yxy color **49.8172, 0.3130, 0.5359** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **20.3393, 0.2961, 0.1691**, and the grayscale version is **35.3960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7730, 0.3199, 0.4852**, and **23.8114, 0.3007, 0.5988** is the 20% darker color. If you saturate the color by 10%, you get **48.7714, 0.3107, 0.5625**, and if you desaturate by 10%, it is **51.1833, 0.3146, 0.5044**.

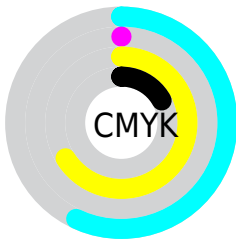
Distribution



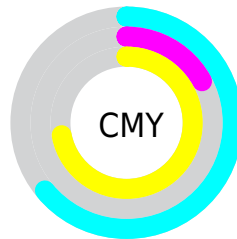
- Red (36%)
- Green (83%)
- Blue (28%)



- Red (28%)
- Yellow (83%)
- Blue (75%)



- Cyan (57%)
- Magenta (0%)
- Yellow (66%)
- Black (17%)




- Cyan (64%)
- Magenta (17%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8172, 0.3130, 0.5359 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 49.8172, 0.3130, 0.5359 by changing the saturation by 10% instead.

 49.8172, 0.3130,
0.5359


 49.8172, 0.3130,
0.5359


385.9507, 0.3202,
0.4267


 35.2682, 0.3084,
0.5636


 89.9040, 0.3176,
0.4956


 23.8695, 0.3007,
0.5986


 116.2105, 0.3188,
0.4805


 15.2369, 0.2876,
0.6434


 147.2050, 0.3195,
0.4679

 8.9858, 0.2671,
0.7081

 183.2718, 0.3199,
0.4572

 4.7319, 0.2236,
0.7764

 224.7954, 0.3201,
0.4479

 2.0908, 0.0988,
0.9012

272.1602, 0.3202,

 0.6595, 0.0000,

0.4399

1.0000

325.7504, 0.3203,
0.4329

■ 0.0000, 0.0000,
0.0000

■ 49.8172, 0.3130,
0.5359

■ 49.8172, 0.3130,
0.5359

■ 48.7714, 0.3107,
0.5625

■ 51.1833, 0.3146,
0.5044

■ 48.0135, 0.3079,
0.5822

■ 52.8869, 0.3154,
0.4704


■ 47.5140, 0.3048,
0.5940

■ 54.9509, 0.3156,
0.4361


■ 47.3881, 0.3039,
0.5969

■ 57.3947, 0.3152,
0.4032

■ 60.2363, 0.3145,
0.3727

 63.4924, 0.3135,
0.3452

 67.1788, 0.3123,
0.3208

 71.3105, 0.3110,
0.2994

 75.4544, 0.3143,
0.2870

Harmonies

Analogous

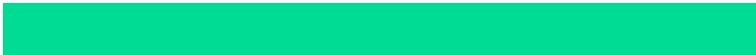
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8172, 0.4123, 0.5177



49.8172, 0.3130, 0.5359



49.8172, 0.2186, 0.4530

Triad

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



49.8172, 0.3130, 0.5359



49.8172, 0.1470, 0.1808



49.8172, 0.4939, 0.3003

Complementary

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



49.8172, 0.3130, 0.5359



20.3393, 0.2961, 0.1691

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.



49.8172, 0.3924, 0.2376



49.8172, 0.3130, 0.5359



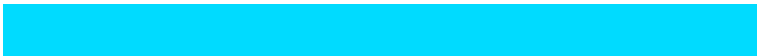
49.8172, 0.1934, 0.1722

Square

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



49.8172, 0.3130, 0.5359



49.8172, 0.1343, 0.2262



49.8172, 0.2779, 0.1923



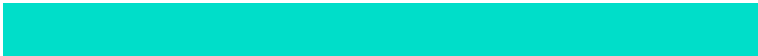
49.8172, 0.5298, 0.3713

Rectangle

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



49.8172, 0.3130, 0.5359



49.8172, 0.1722, 0.3640



49.8172, 0.2779, 0.1923



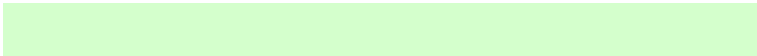
49.8172, 0.4653, 0.2781

Sweetspot

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



49.8193, 0.3130, 0.5359



89.8168, 0.3148, 0.3837



51.6506, 0.4186, 0.4612



18.9626, 0.3150, 0.3924



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.



49.8193, 0.3130, 0.5359



73.5255, 0.3095, 0.5720



49.7930, 0.2807, 0.4729



13.9838, 0.3138, 0.3529



29.2816, 0.3045, 0.5965



1.7950, 0.3141, 0.5888

Inverse Universe

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



20.3393, 0.2961, 0.1691



25.5331, 0.2907, 0.1479



21.1386, 0.3837, 0.2254



12.5346, 0.3114, 0.3059



8.9908, 0.2837, 0.1337



0.5683, 0.2906, 0.1374

Previews

White Background



This preview shows how the Yxy color 49.8172, 0.3130, 0.5359 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 49.8172, 0.3130, 0.5359 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 49.8172, 0.3130, 0.5359

Background



This preview shows how black text looks on a background with the Yxy color 49.8172, 0.3130, 0.5359.



This preview shows how white text looks on a background with the Yxy color 49.8172, 0.3130, 0.5359.

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

49.8172, 0.3130, 0.5359

Protanopia

48.8979, 0.4224, 0.4642

Deuteranopia

48.8918, 0.4386, 0.4296



Tritanopia

49.3808, 0.2510, 0.3072

Trichromacy



Original Color

49.8172, 0.3130, 0.5359



Protanomaly

47.5425, 0.3762, 0.4933



Deuteranomaly

47.0947, 0.3857, 0.4700



Tritanomaly

48.7000, 0.2757, 0.3899

Monochromacy



Original Color

49.8172, 0.3130, 0.5359



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.9496, 0.3148, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8172, 0.3130, 0.5359 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(92, 212, 71)` looks like.

```
.text, #text, p{  
    color:rgb(92, 212, 71)  
}
```

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(92, 212, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 212, 71) }
```

Border

The CSS property to change the border of an element to Yxy 49.8172, 0.3130, 0.5359 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(92, 212, 71) }
```

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

```
.border{ border-color:rgb(92, 212, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 212, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 212, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 212, 71);  
box-shadow:4px 4px 4px 4px rgb(92, 212,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8172, 0.3130, 0.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 212, 71) }
```

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

```
.background{ background-color: rgb(92, 212,  
71) }
```

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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