

Converting Colors

$Yxy(48.7363, 0.3279, 0.5098)$

Have a look what the booklet for
Yxy(48.7363, 0.3279, 0.5098)
contains.

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Color

Yxy(48.7298, 0.3275, 0.5099)

Conversions

Conversions Part 1

Format	Color
Hex	78CE51
RGB	120, 206, 81
RGB Percent	47%, 81%, 32%
CMY	0.5296, 0.1921, 0.6824
CMYK	0.42, 0.00, 0.61, 0.19
HSL	101°, 56%, 56%
HSV	101°, 61%, 81%
XYZ	31.2983, 48.7298, 15.5393
YIQ	166.0360, -11.1310, -57.1070

Conversions

Conversions Part 2

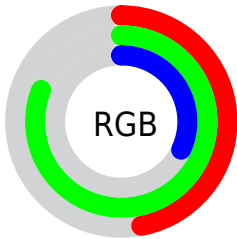
Format	Color
RYB	81, 206, 167
Decimal	7917137
CIELab	75.28, -48.19, 52.87
CIELCh	75, 71.533, 132.348
Yxy	48.7298, 0.3275, 0.5099
Android (android.graphics.Color)	4286107217 (0xFF78CE51)
YUV	166.0360, -41.9227, -40.3736
Hunter-Lab	69.8067, -42.1301, 35.6665

Details

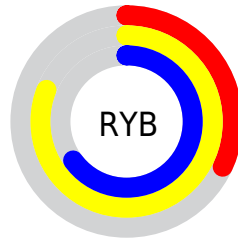
The Yxy color **48.7298, 0.3275, 0.5099** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.5610, 0.2755, 0.1703**, and the grayscale version is **38.3590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5883, 0.3303, 0.4687**, and **23.2275, 0.3214, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **47.5288, 0.3262, 0.5381**, and if you desaturate by 10%, it is **50.1788, 0.3273, 0.4787**.

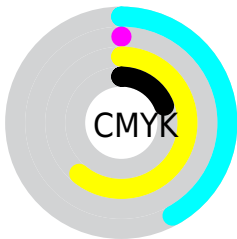
Distribution



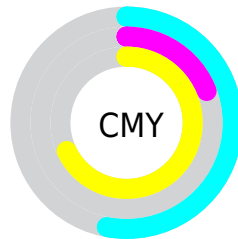
- Red (47%)
- Green (81%)
- Blue (32%)



- Red (32%)
- Yellow (81%)
- Blue (65%)



- Cyan (42%)
- Magenta (0%)
- Yellow (61%)
- Black (19%)




- Cyan (53%)
- Magenta (19%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7298, 0.3275, 0.5099 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 48.7298, 0.3275, 0.5099 by changing the saturation by 10% instead.


 48.7298, 0.3275,
0.5099

 48.7298, 0.3275,
0.5099

381.6776, 0.3259,
0.4150


 34.4052, 0.3256,
0.5340


 88.2900, 0.3285,
0.4749

 23.2051, 0.3217,
0.5646


 114.2944, 0.3284,
0.4618


 14.7450, 0.3138,
0.6041


 144.9609, 0.3281,
0.4509

 8.6406, 0.2992,
0.6583

 180.6737, 0.3277,
0.4415

 4.5075, 0.2693,
0.7307

 221.8175, 0.3273,
0.4335

 1.9613, 0.1804,
0.8196

268.7764, 0.3268,

 0.5849, 0.0000,

0.4265

1.0000

321.9350, 0.3263,
0.4204

■ 0.0000, 0.0000,
0.0000

■ 48.7298, 0.3275,
0.5099

■ 48.7298, 0.3275,
0.5099

■ 47.5288, 0.3262,
0.5381

■ 50.1788, 0.3273,
0.4787

■ 46.5542, 0.3234,
0.5613

■ 51.8835, 0.3258,
0.4463

■ 45.7906, 0.3193,
0.5781

■ 53.8586, 0.3233,
0.4144

■ 45.2446, 0.3147,
0.5883

■ 56.1159, 0.3202,
0.3841

■ 58.6665, 0.3167,
0.3561

■ 61.5209, 0.3130,
0.3306

■ 64.6889, 0.3092,
0.3079

■ 68.1801, 0.3056,
0.2877

■ 71.2470, 0.3096,
0.2803

Harmonies

Analogous

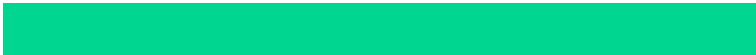
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7298, 0.4155, 0.4924



48.7298, 0.3275, 0.5099



48.7298, 0.2403, 0.4474

Triad

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



48.7298, 0.3275, 0.5099



48.7298, 0.1601, 0.1997



48.7298, 0.4629, 0.2982

Complementary

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



48.7298, 0.3275, 0.5099



18.5610, 0.2755, 0.1703

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.



48.7298, 0.3709, 0.2416



48.7298, 0.3275, 0.5099



48.7298, 0.1994, 0.1871

Square

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



48.7298, 0.3275, 0.5099



48.7298, 0.1525, 0.2473



48.7298, 0.2721, 0.2024



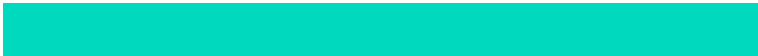
48.7298, 0.5043, 0.3635

Rectangle

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



48.7298, 0.3275, 0.5099



48.7298, 0.1950, 0.3743



48.7298, 0.2721, 0.2024



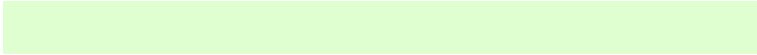
48.7298, 0.4359, 0.2780

Sweetspot

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



48.7319, 0.3275, 0.5099



91.8812, 0.3194, 0.3770



41.1434, 0.4262, 0.4314



19.4180, 0.3204, 0.3855



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.



48.7319, 0.3275, 0.5099



76.4502, 0.3255, 0.5462



46.8943, 0.2928, 0.4910



12.7038, 0.3162, 0.3526



27.9029, 0.3157, 0.5876



1.4799, 0.3311, 0.5753

Inverse Universe

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



18.5610, 0.2755, 0.1703



23.3248, 0.2644, 0.1428



22.4302, 0.3466, 0.2104



11.2215, 0.3089, 0.3058



6.3271, 0.2441, 0.1118



0.3655, 0.2595, 0.1203

Previews

White Background



This preview shows how the Yxy color 48.7298, 0.3275, 0.5099 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 48.7298, 0.3275, 0.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

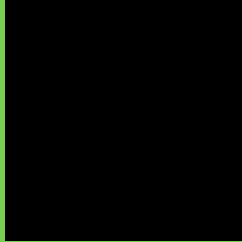
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7298, 0.3275, 0.5099

Background



This preview shows how black text looks on a background with the Yxy color 48.7298, 0.3275, 0.5099.



This preview shows how white text looks on a background with the Yxy color 48.7298, 0.3275, 0.5099.

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

48.7298, 0.3275, 0.5099

Protanopia

48.1851, 0.4146, 0.4562

Deuteranopia

48.1197, 0.4320, 0.4238



Tritanopia

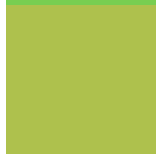
48.4061, 0.2640, 0.3075

Trichromacy



Original Color

48.7298, 0.3275, 0.5099



Protanomaly

47.6744, 0.3795, 0.4779



Deuteranomaly

46.9201, 0.3902, 0.4551



Tritanomaly

47.9833, 0.2890, 0.3811

Monochromacy



Original Color

48.7298, 0.3275, 0.5099



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.1866, 0.3214, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7298, 0.3275, 0.5099 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(120, 206, 81)` looks like.

```
.text, #text, p{  
    color:rgb(120, 206, 81)  
}
```

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(120, 206, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 206, 81) }
```

Border

The CSS property to change the border of an element to Yxy 48.7298, 0.3275, 0.5099 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(120, 206, 81) }
```

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

```
.border{ border-color:rgb(120, 206, 81) }
```

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

Here you see how a box with a 4 pixel rgb(120, 206, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 206, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 206, 81);  
box-shadow:4px 4px 4px 4px rgb(120, 206,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7298, 0.3275, 0.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 206, 81) }
```

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

```
.background{ background-color: rgb(120,  
206, 81) }
```

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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