

Converting Colors

$Yxy(48.5765, 0.2988, 0.4992)$

Have a look what the booklet for
Yxy(48.5765, 0.2988, 0.4992)
contains.

Yxy(48.5765, 0.2988, 0.4992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.5765, 0.2988, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	58D163
RGB	88, 209, 99
RGB Percent	35%, 82%, 39%
CMY	0.6550, 0.1804, 0.6116
CMYK	0.58, 0.00, 0.53, 0.18
HSL	125°, 57%, 58%
HSV	125°, 58%, 82%
XYZ	29.0758, 48.5765, 19.6564
YIQ	160.2810, -36.8060, -59.8620

Conversions

Conversions Part 2

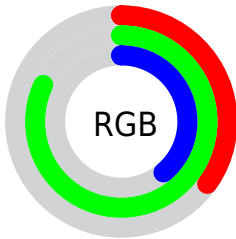
Format	Color
RYB	88, 199, 209
Decimal	5820771
CIELab	75.19, -56.15, 44.18
CIELCh	75, 71.448, 141.799
Yxy	48.5765, 0.2988, 0.4992
Android (android.graphics.Color)	4284010851 (0xFF58D163)
YUV	160.2810, -30.2115, -63.3904
Hunter-Lab	69.6968, -47.5036, 32.0664

Details

The Yxy color **48.5765, 0.2988, 0.4992** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **24.6042, 0.3314, 0.2040**, and the grayscale version is **35.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0829, 0.3047, 0.4549**, and **22.9959, 0.2872, 0.5538** is the 20% darker color. If you saturate the color by 10%, you get **47.3794, 0.2976, 0.5306**, and if you desaturate by 10%, it is **50.1553, 0.3007, 0.4659**.

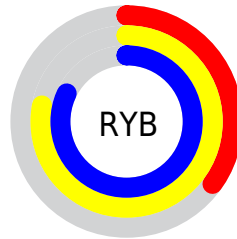
Distribution



Red (35%)

Green (82%)

Blue (39%)



Red (35%)

Yellow (78%)

Blue (82%)

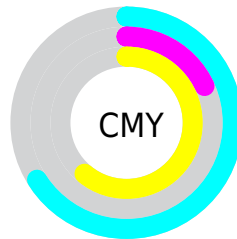


Cyan (58%)

Magenta (0%)

Yellow (53%)

Black (18%)



Cyan (66%)


Magenta (18%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5765, 0.2988, 0.4992 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 48.5765, 0.2988, 0.4992 by changing the saturation by 10% instead.


 48.5765, 0.2988,
0.4992


 48.5765, 0.2988,
0.4992


381.0727, 0.3103,
0.4083

 34.2837, 0.2943,
0.5232


 88.0621, 0.3042,
0.4651

 23.1116, 0.2874,
0.5544


 114.0237, 0.3058,
0.4526

 14.6759, 0.2763,
0.5962


 144.6437, 0.3071,
0.4421

 8.5923, 0.2575,
0.6539

 180.3064, 0.3080,
0.4333

 4.4762, 0.2330,
0.7670

221.3962, 0.3088,
0.4257

 1.9433, 0.1047,
0.8953

268.2976, 0.3094,

 0.5742, 0.0000,

0.4191

1.0000

321.3950, 0.3099,
0.4134

■ 0.0000, 0.0000,
0.0000

■ 48.5765, 0.2988,
0.4992

■ 48.5765, 0.2988,
0.4992

■ 47.3794, 0.2976,
0.5306

■ 50.1553, 0.3007,
0.4659

■ 46.5262, 0.2971,
0.5578

■ 52.1379, 0.3030,
0.4329

■ 45.9817, 0.2974,
0.5788

■ 54.5519, 0.3055,
0.4016

■ 45.6943, 0.2984,
0.5924

■ 57.4206, 0.3081,
0.3728

■ 45.6514, 0.2985,
0.5944

■ 60.7658, 0.3107,
0.3471

■ 64.6079, 0.3132,
0.3245

■ 68.9659, 0.3156,
0.3049

■ 73.8257, 0.3176,
0.2879

■ 74.0840, 0.3148,
0.2841

Harmonies

Analogous

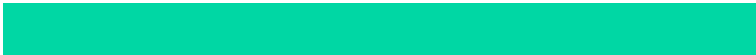
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.5765, 0.3890, 0.5048



48.5765, 0.2988, 0.4992



48.5765, 0.2171, 0.4141

Triad

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



48.5765, 0.2988, 0.4992



48.5765, 0.1690, 0.1924



48.5765, 0.4828, 0.3182

Complementary

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



48.5765, 0.2988, 0.4992



24.6042, 0.3314, 0.2040

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.



48.5765, 0.4028, 0.2580



48.5765, 0.2988, 0.4992



48.5765, 0.2187, 0.1892

Square

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



48.5765, 0.2988, 0.4992



48.5765, 0.1515, 0.2280



48.5765, 0.3014, 0.2124



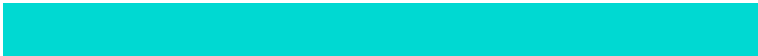
48.5765, 0.5037, 0.3850

Rectangle

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



48.5765, 0.2988, 0.4992



48.5765, 0.1790, 0.3390



48.5765, 0.3014, 0.2124



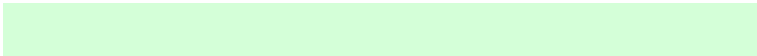
48.5765, 0.4615, 0.2971

Sweetspot

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



48.5785, 0.2988, 0.4992



90.4031, 0.3083, 0.3709



58.4391, 0.3863, 0.4694



19.1392, 0.3078, 0.3764



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.



48.5785, 0.2988, 0.4992



74.0132, 0.2974, 0.5361



50.1654, 0.2670, 0.4054



13.2236, 0.3104, 0.3508



28.1518, 0.2981, 0.5932



1.5803, 0.2926, 0.5733

Inverse Universe

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



24.6042, 0.3314, 0.2040



33.0857, 0.3358, 0.1864



22.3765, 0.4121, 0.2681



11.9896, 0.3152, 0.3081



10.6546, 0.3452, 0.1675



0.6013, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 48.5765, 0.2988, 0.4992 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 48.5765, 0.2988, 0.4992 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 48.5765, 0.2988, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 48.5765, 0.2988, 0.4992.



This preview shows how white text looks on a background with the Yxy color 48.5765, 0.2988, 0.4992.

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

48.5765, 0.2988, 0.4992

Protanopia

47.7328, 0.4035, 0.4412

Deuteranopia

47.4306, 0.4154, 0.4065



Tritanopia

48.4496, 0.2482, 0.3069

Trichromacy



Original Color

48.5765, 0.2988, 0.4992



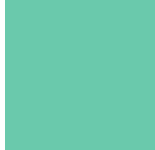
Protanomaly

46.5251, 0.3579, 0.4653



Deuteranomaly

45.5592, 0.3650, 0.4402



Tritanomaly

47.8160, 0.2667, 0.3720

Monochromacy



Original Color

48.5765, 0.2988, 0.4992



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.7441, 0.3064, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5765, 0.2988, 0.4992 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, 209, 99)` looks like.

```
.text, #text, p{  
    color:rgb(88, 209, 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(88, 209, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 209, 99) }
```

Border

The CSS property to change the border of an element to Yxy 48.5765, 0.2988, 0.4992 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, 209, 99) }
```

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

```
.border{ border-color:rgb(88, 209, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 209, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 209, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 209, 99);  
box-shadow:4px 4px 4px 4px rgb(88, 209,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5765, 0.2988, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 209, 99) }
```

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

```
.background{ background-color: rgb(88, 209,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor