

# Converting Colors

Yxy(59.9008, 0.2911, 0.5107)

Have a look what the booklet for  
Yxy(59.9008, 0.2911, 0.5107)  
contains.

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# Color

**Yxy(59.6676, 0.2914, 0.5109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BE769
RGB	75, 231, 105
RGB Percent	29%, 91%, 41%
CMY	0.7056, 0.0941, 0.5882
CMYK	0.67, 0.00, 0.55, 0.09
HSL	132°, 76%, 60%
HSV	132°, 67%, 91%
XYZ	34.0324, 59.6676, 23.0892
YIQ	169.9920, -52.5300, -72.2580

# Conversions

## Conversions Part 2

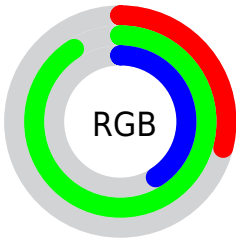
Format	Color
<a href="#">RYB</a>	<a href="#">75, 206, 231</a>
Decimal	<a href="#">4974441</a>
CIELab	<a href="#">81.66, -65.89, 49.11</a>
CIELCh	<a href="#">82, 82.176, 143.301</a>
Yxy	<a href="#">59.6676, 0.2914, 0.5109</a>
Android (android.graphics.Color)	<a href="#">4283164521</a> ( <a href="#">0xFF4BE769</a> )
YUV	<a href="#">169.9920, -32.0411, -83.3080</a>
Hunter-Lab	<a href="#">77.2448, -56.5352, 36.3490</a>

# Details

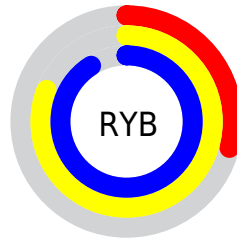
The Yxy color **59.6676, 0.2914, 0.5109** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **26.2527, 0.3534, 0.2016**, and the grayscale version is **40.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6859, 0.2976, 0.4475**, and **30.5200, 0.2886, 0.5591** is the 20% darker color. If you saturate the color by 10%, you get **58.5578, 0.2913, 0.5385**, and if you desaturate by 10%, it is **61.2047, 0.2927, 0.4809**.

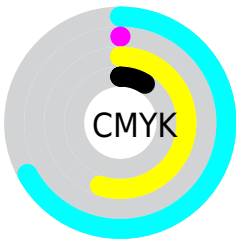
# Distribution



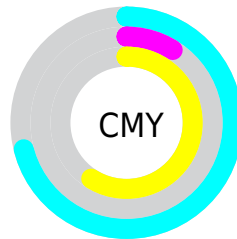
- Red (29%)
- Green (91%)
- Blue (41%)



- Red (29%)
- Yellow (81%)
- Blue (91%)



- Cyan (67%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)



- Cyan (71%)
- Magenta (9%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6676, 0.2914, 0.5109 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 59.6676, 0.2914, 0.5109 by changing the saturation by 10% instead.




 59.6676, 0.2914,  
0.5109


 59.6676, 0.2914,  
0.5109


423.3715, 0.3068,  
0.4165


 43.1508, 0.2861,  
0.5348

 104.3473, 0.2981,  
0.4762


 30.0034, 0.2784,  
0.5653


 133.2790, 0.3003,  
0.4632

 19.8412, 0.2668,  
0.6053


 167.1178, 0.3020,  
0.4523

 12.2797, 0.2485,  
0.6586

 206.2480, 0.3034,  
0.4430

 6.9344, 0.2202,  
0.7391

251.0541, 0.3045,  
0.4350

 3.4211, 0.1639,  
0.8361

301.9204, 0.3054,

 1.3553, 0.0000,

0.4280

1.0000

359.2314, 0.3061,  
0.4219

■ 0.1835, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.6676, 0.2914,  
0.5109

■ 59.6676, 0.2914,  
0.5109

■ 58.5578, 0.2913,  
0.5385

■ 61.2047, 0.2927,  
0.4809

■ 57.8237, 0.2926,  
0.5618


■ 63.1995, 0.2950,  
0.4503

■ 57.4099, 0.2948,  
0.5795


■ 65.6881, 0.2982,  
0.4205

■ 57.3351, 0.2953,  
0.5831


■ 68.7010, 0.3018,  
0.3926

 72.2660, 0.3057,  
0.3671

 76.4093, 0.3097,  
0.3443

 81.1550, 0.3137,  
0.3242

 85.5882, 0.3142,  
0.3064

 85.6307, 0.3138,  
0.3058

# Harmonies

## Analogous

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



59.6676, 0.3870, 0.5182



59.6676, 0.2914, 0.5109



59.6676, 0.2065, 0.4147

# Triad

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



59.6676, 0.2914, 0.5109



59.6676, 0.1627, 0.1835



59.6676, 0.4979, 0.3194

# Complementary

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



59.6676, 0.2914, 0.5109



26.2527, 0.3534, 0.2016

# 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.



59.6676, 0.4144, 0.2562



59.6676, 0.2914, 0.5109



59.6676, 0.2162, 0.1820

# Square

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



59.6676, 0.2914, 0.5109



59.6676, 0.1428, 0.2180



59.6676, 0.3052, 0.2076



59.6676, 0.5152, 0.3893



# Rectangle

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



59.6676, 0.2914, 0.5109



59.6676, 0.1682, 0.3329



59.6676, 0.3052, 0.2076



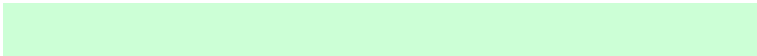
59.6676, 0.4762, 0.2973

# Sweetspot

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



59.6701, 0.2914, 0.5109



89.2016, 0.3047, 0.3735



70.2742, 0.3826, 0.4950



18.8188, 0.3036, 0.3806



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.



59.6701, 0.2914, 0.5109



72.8655, 0.2917, 0.5483



62.0119, 0.2560, 0.3980



16.1341, 0.3090, 0.3485



32.1571, 0.2947, 0.5810



2.3891, 0.2875, 0.5551



# Inverse Universe

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



26.2527, 0.3534, 0.2016



28.3356, 0.3640, 0.1888



23.4990, 0.4641, 0.2786



14.5653, 0.3167, 0.3102



11.5452, 0.3762, 0.1846

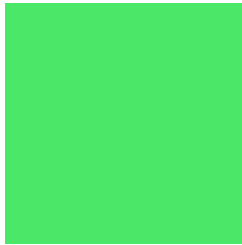


0.8654, 0.3666, 0.1793



# Previews

## White Background



This preview shows how the Yxy color 59.6676, 0.2914, 0.5109 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 59.6676, 0.2914, 0.5109 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 59.6676, 0.2914, 0.5109**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6676, 0.2914, 0.5109.

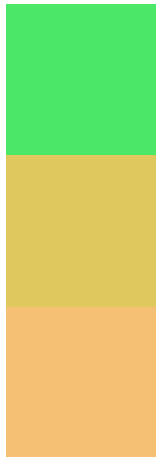


This preview shows how white text looks on a background with the Yxy color 59.6676, 0.2914, 0.5109.

# 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

59.6676, 0.2914, 0.5109

### Protanopia

58.2875, 0.4077, 0.4452

### Deuteranopia

58.3496, 0.4189, 0.4101



## Tritanopia

59.2013, 0.2416, 0.3059

# Trichromacy



## Original Color

59.6676, 0.2914, 0.5109



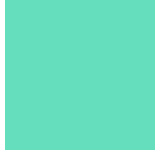
## Protanomaly

56.4228, 0.3541, 0.4739



## Deuteranomaly

55.3576, 0.3609, 0.4493



## Tritanomaly

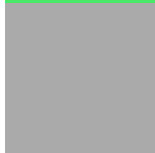
58.5827, 0.2597, 0.3760

# Monochromacy



## Original Color

59.6676, 0.2914, 0.5109



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

44.9255, 0.3011, 0.3975

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6676, 0.2914, 0.5109 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(75, 231, 105)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 105)  
}
```

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(75, 231, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6676, 0.2914, 0.5109 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(75, 231, 105) }
```

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

```
.border{ border-color:rgb(75, 231, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 231, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 105);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6676, 0.2914, 0.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 105) }
```

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

```
.background{ background-color: rgb(75, 231,  
105) }
```

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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