

# Converting Colors

$Y_{xy}(61.0557, 0.2919, 0.5176)$

Have a look what the booklet for  
Yxy(61.0557, 0.2919, 0.5176)  
contains.

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# Color

**Yxy(61.1827, 0.2917, 0.5175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48EA66
RGB	72, 234, 102
RGB Percent	28%, 92%, 40%
CMY	0.7181, 0.0823, 0.6001
CMYK	0.69, 0.00, 0.56, 0.08
HSL	131°, 79%, 60%
HSV	131°, 69%, 92%
XYZ	34.4869, 61.1827, 22.5578
YIQ	170.5140, -54.1800, -75.3960

# Conversions

## Conversions Part 2

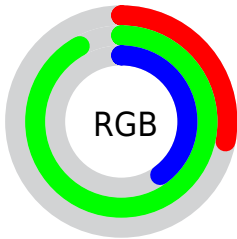
Format	Color
<a href="#">RYB</a>	<a href="#">72, 209, 234</a>
Decimal	<a href="#">4778598</a>
CIELab	<a href="#">82.48, -67.85, 51.44</a>
CIELCh	<a href="#">82, 85.145, 142.829</a>
Yxy	<a href="#">61.1827, 0.2917, 0.5175</a>
Android (android.graphics.Color)	<a href="#">4282968678 (0xFF48EA66)</a>
YUV	<a href="#">170.5140, -33.7774, -86.3968</a>
Hunter-Lab	<a href="#">78.2194, -58.1832, 37.6548</a>

# Details

The Yxy color **61.1827, 0.2917, 0.5175** 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 **26.4711, 0.3536, 0.1986**, and the grayscale version is **40.6468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4093, 0.2981, 0.4516**, and **31.6577, 0.2905, 0.5657** is the 20% darker color. If you saturate the color by 10%, you get **60.1164, 0.2919, 0.5444**, and if you desaturate by 10%, it is **62.6828, 0.2928, 0.4877**.

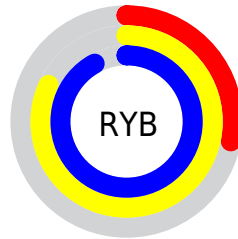
# Distribution



Red (28%)

Green (92%)

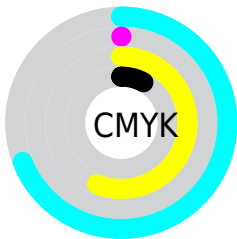
Blue (40%)



Red (28%)

Yellow (82%)

Blue (92%)

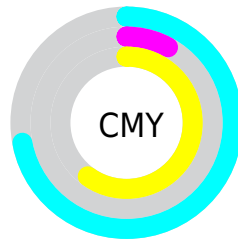


Cyan (69%)

Magenta (0%)

Yellow (56%)

Black (8%)



Cyan (72%)

Magenta (8%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1827, 0.2917, 0.5175 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 61.1827, 0.2917, 0.5175 by changing the saturation by 10% instead.




 61.1827, 0.2917,  
0.5175


 61.1827, 0.2917,  
0.5175


428.9436, 0.3073,  
0.4200


 44.3726, 0.2862,  
0.5420


 106.5434, 0.2986,  
0.4818


 30.9636, 0.2783,  
0.5731


 135.8629, 0.3008,  
0.4684

 20.5711, 0.2664,  
0.6136


 170.1209, 0.3025,  
0.4571

 12.8109, 0.2475,  
0.6672

 209.7019, 0.3039,  
0.4475

 7.2984, 0.2190,  
0.7483

254.9903, 0.3050,  
0.4392

 3.6494, 0.1626,  
0.8374

306.3704, 0.3059,

 1.4795, 0.0000,

0.4320

1.0000

364.2267, 0.3067,  
0.4256

0.2742, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.1827, 0.2917,  
0.5175

61.1827, 0.2917,  
0.5175

60.1164, 0.2919,  
0.5444

62.6828, 0.2928,  
0.4877

59.4291, 0.2933,  
0.5667


64.6494, 0.2949,  
0.4568

59.0515, 0.2955,  
0.5832


67.1206, 0.2979,  
0.4266


59.0302, 0.2956,  
0.5842


70.1284, 0.3014,  
0.3980

 73.7023, 0.3052,  
0.3718

 77.8693, 0.3091,  
0.3483

 82.6550, 0.3130,  
0.3276

 87.2969, 0.3140,  
0.3093

 87.3326, 0.3137,  
0.3088

# Harmonies

## Analogous

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



61.1827, 0.3893, 0.5223



61.1827, 0.2917, 0.5175



61.1827, 0.2048, 0.4192

# Triad

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



61.1827, 0.2917, 0.5175



61.1827, 0.1591, 0.1806



61.1827, 0.5019, 0.3175

# Complementary

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



61.1827, 0.2917, 0.5175



26.4711, 0.3536, 0.1986

# 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.



61.1827, 0.4153, 0.2535



61.1827, 0.2917, 0.5175



61.1827, 0.2127, 0.1788

# Square

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



61.1827, 0.2917, 0.5175



61.1827, 0.1393, 0.2160



61.1827, 0.3032, 0.2044



61.1827, 0.5202, 0.3883



# Rectangle

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



61.1827, 0.2917, 0.5175



61.1827, 0.1655, 0.3345



61.1827, 0.3032, 0.2044



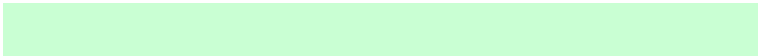
61.1827, 0.4794, 0.2951

# Sweetspot

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



61.1852, 0.2917, 0.5175



88.7227, 0.3045, 0.3764



72.1975, 0.3836, 0.4983



18.7250, 0.3034, 0.3835



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.



61.1852, 0.2917, 0.5175



72.6601, 0.2923, 0.5543



63.6315, 0.2554, 0.4002



16.9078, 0.3090, 0.3488



33.1813, 0.2950, 0.5821



2.6184, 0.2884, 0.5582



# Inverse Universe

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



26.4711, 0.3536, 0.1986



27.9563, 0.3638, 0.1867



23.5513, 0.4706, 0.2782



15.2630, 0.3166, 0.3100



11.9503, 0.3742, 0.1835

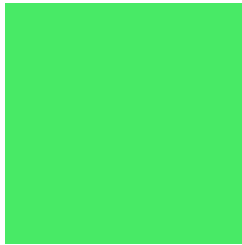


0.9508, 0.3655, 0.1787



# Previews

## White Background



This preview shows how the Yxy color 61.1827, 0.2917, 0.5175 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 61.1827, 0.2917, 0.5175 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

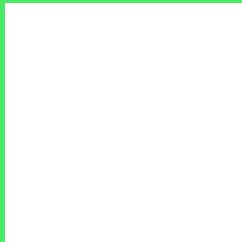
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.1827, 0.2917, 0.5175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1827, 0.2917, 0.5175.

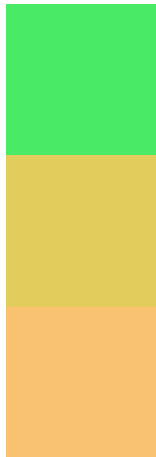


This preview shows how white text looks on a background with the Yxy color 61.1827, 0.2917, 0.5175.

# 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

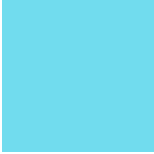
61.1827, 0.2917, 0.5175

### Protanopia

60.1272, 0.4101, 0.4492

### Deuteranopia

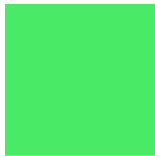
59.7323, 0.4216, 0.4129



## **Tritanopia**

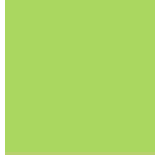
60.8702, 0.2406, 0.3062

# Trichromacy



**Original Color**

61.1827, 0.2917, 0.5175



**Protanomaly**

57.9915, 0.3554, 0.4794



**Deuteranomaly**

56.8954, 0.3618, 0.4541



**Tritanomaly**

60.1212, 0.2590, 0.3785

# Monochromacy



**Original Color**

61.1827, 0.2917, 0.5175



**Achromatopsia**

40.1978, 0.3127, 0.3290



**Achromatomaly**

45.2526, 0.3010, 0.4005

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1827, 0.2917, 0.5175 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(72, 234, 102)` looks like.

```
.text, #text, p{  
    color:rgb(72, 234, 102)  
}
```

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(72, 234, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 234, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1827, 0.2917, 0.5175 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(72, 234, 102) }
```

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

```
.border{ border-color:rgb(72, 234, 102) }
```

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

Here you see how a box with a 4 pixel rgb(72, 234, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 234, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 234, 102);  
box-shadow:4px 4px 4px 4px rgb(72, 234,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1827, 0.2917, 0.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 234, 102) }
```

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

```
.background{ background-color: rgb(72, 234,  
102) }
```

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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