

# Converting Colors

$Y_{xy}(61.0698, 0.3097, 0.5904)$

Have a look what the booklet for  
Yxy(61.0698, 0.3097, 0.5904)  
contains.

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# Color

**Yxy(61.0326, 0.3098, 0.5904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EEC08
RGB	62, 236, 8
RGB Percent	24%, 93%, 3%
CMY	0.7568, 0.0745, 0.9692
CMYK	0.74, 0.00, 0.97, 0.07
HSL	106°, 94%, 48%
HSV	106°, 97%, 93%
XYZ	32.0256, 61.0326, 10.3168
YIQ	157.9820, -30.5160, -107.7960

# Conversions

## Conversions Part 2

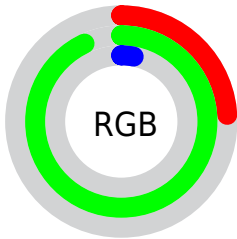
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 236, 182
Decimal	4123656
CIELab	82.40, -76.19, 78.47
CIELCh	82, 109.376, 134.157
Yxy	61.0326, 0.3098, 0.5904
Android (android.graphics.Color)	4282313736 (0xFF3EEC08)
YUV	157.9820, -73.9411, -84.1762
Hunter-Lab	78.1234, -63.5423, 46.8566

# Details

The Yxy color **61.0326, 0.3098, 0.5904** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **16.1519, 0.2626, 0.1230**, and the grayscale version is **34.5304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4924, 0.3241, 0.5259**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.8351, 0.3085, 0.5933**, and if you desaturate by 10%, it is **61.8006, 0.3141, 0.5784**.

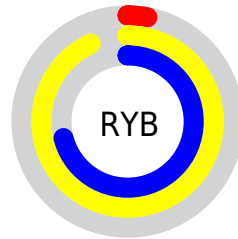
# Distribution



Red (24%)

Green (93%)

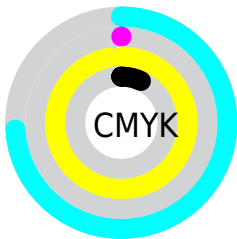
Blue (3%)



Red (3%)

Yellow (93%)

Blue (71%)

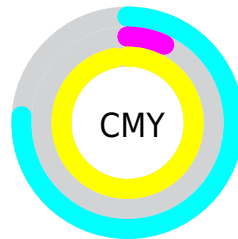


Cyan (74%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (76%)

Magenta (7%)


Yellow (97%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0326, 0.3098, 0.5904 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 61.0326, 0.3098, 0.5904 by changing the saturation by 10% instead.





 61.0326, 0.3098,  
0.5904

 61.0326, 0.3098,  
0.5904


 428.3935, 0.3241,  
0.4582


 44.2515, 0.3021,  
0.6207


 106.3261, 0.3182,  
0.5437


 30.8683, 0.2902,  
0.6570


 135.6073, 0.3204,  
0.5257


 20.4986, 0.2714,  
0.7003

 169.8240, 0.3218,  
0.5102

 12.7580, 0.2437,  
0.7563

 209.3606, 0.3228,  
0.4969

 7.2621, 0.1955,  
0.8045

 254.6014, 0.3234,  
0.4853

 3.6265, 0.1204,  
0.8796

 305.9309, 0.3238,

 1.4669, 0.0000,

0.4752

1.0000

363.7335, 0.3240,  
0.4662

■ 0.2653, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.0326, 0.3098,  
0.5904

■ 61.0326, 0.3098,  
0.5904


■ 60.8351, 0.3085,  
0.5933

■ 61.8006, 0.3141,  
0.5784


■ 62.8667, 0.3177,  
0.5590


■ 64.2661, 0.3201,  
0.5330


■ 66.0260, 0.3214,  
0.5024

 68.1711, 0.3215,  
0.4693

 70.7232, 0.3206,  
0.4358

 73.7029, 0.3190,  
0.4034

 77.1290, 0.3169,  
0.3732

 81.0193, 0.3144,  
0.3457

# Harmonies

## Analogous

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



61.0326, 0.4251, 0.5437



61.0326, 0.3098, 0.5904



61.0326, 0.2007, 0.4967

# Triad

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



61.0326, 0.3098, 0.5904



61.0326, 0.1194, 0.1564



61.0326, 0.5294, 0.2851

# Complementary

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



61.0326, 0.3098, 0.5904



16.1519, 0.2626, 0.1230

# 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.



61.0326, 0.4001, 0.2165



61.0326, 0.3098, 0.5904



61.0326, 0.1675, 0.1467

# Square

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



61.0326, 0.3098, 0.5904



61.0326, 0.1066, 0.2071



61.0326, 0.2615, 0.1676



61.0326, 0.5723, 0.3618



# Rectangle

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



61.0326, 0.3098, 0.5904



61.0326, 0.1476, 0.3790



61.0326, 0.2615, 0.1676



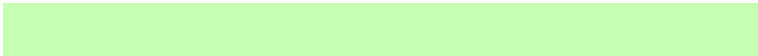
61.0326, 0.4929, 0.2610

# Sweetspot

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



61.0352, 0.3098, 0.5904



86.9466, 0.3195, 0.4112



50.0766, 0.4697, 0.4635



18.2826, 0.3202, 0.4250



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.



61.0352, 0.3098, 0.5904



72.4975, 0.3082, 0.5935



60.4244, 0.2916, 0.5675



17.0347, 0.3151, 0.3531



33.5813, 0.3093, 0.5926



2.6800, 0.3188, 0.5851



# Inverse Universe

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



16.1519, 0.2626, 0.1230



18.7504, 0.2603, 0.1208



21.2571, 0.3944, 0.1958



15.1231, 0.3100, 0.3055



8.7472, 0.2616, 0.1214

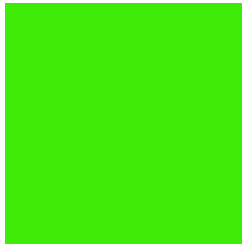


0.7302, 0.2701, 0.1262



# Previews

## White Background



This preview shows how the Yxy color 61.0326, 0.3098, 0.5904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

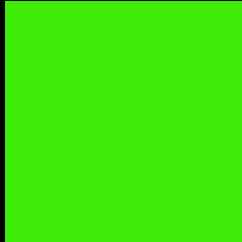
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0326, 0.3098, 0.5904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

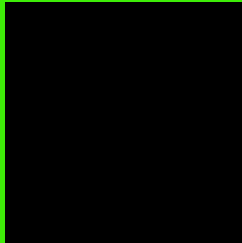
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.0326, 0.3098, 0.5904**

## Background



This preview shows how black text looks on a background with the Yxy color 61.0326, 0.3098, 0.5904.



This preview shows how white text looks on a background with the Yxy color 61.0326, 0.3098, 0.5904.

# 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

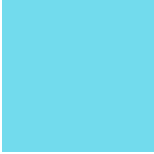
61.0326, 0.3098, 0.5904

### Protanopia

59.8437, 0.4402, 0.4887

### Deuteranopia

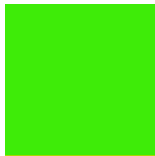
59.6663, 0.4604, 0.4505



## **Tritanopia**

60.3549, 0.2412, 0.3061

# Trichromacy



## Original Color

61.0326, 0.3098, 0.5904



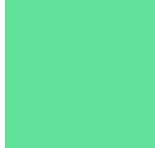
## Protanomaly

57.4431, 0.3799, 0.5359



## Deuteranomaly

56.0488, 0.3940, 0.5119



## Tritanomaly

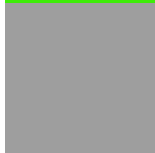
58.6164, 0.2756, 0.4310

# Monochromacy



## Original Color

61.0326, 0.3098, 0.5904



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

40.3080, 0.3216, 0.4601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0326, 0.3098, 0.5904 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(62, 236, 8)` looks like.

```
.text, #text, p{  
    color:rgb(62, 236, 8)  
}
```

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(62, 236, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 236, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0326, 0.3098, 0.5904 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(62, 236, 8) }
```

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

```
.border{ border-color:rgb(62, 236, 8) }
```

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

Here you see how a box with a 4 pixel rgb(62, 236, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 236, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 236, 8);  
box-shadow:4px 4px 4px 4px rgb(62, 236, 8)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 61.0326, 0.3098, 0.5904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 236, 8) }
```

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

```
.background{ background-color: rgb(62, 236,  
8) }
```

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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