

# Converting Colors

$Y_{xy}(61.0877, 0.3162, 0.5862)$

Have a look what the booklet for  
Yxy(61.0877, 0.3162, 0.5862)  
contains.

<b>Yxy(61.0877, 0.3162, 0.5862)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(61.0877, 0.3162, 0.5862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FEB04
RGB	79, 235, 4
RGB Percent	31%, 92%, 2%
CMY	0.6904, 0.0784, 0.9840
CMYK	0.66, 0.00, 0.98, 0.08
HSL	101°, 97%, 47%
HSV	101°, 98%, 92%
XYZ	32.9511, 61.0877, 10.1709
YIQ	162.0220, -18.8250, -104.9130

# Conversions

## Conversions Part 2

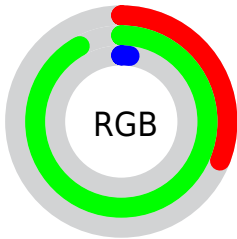
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 235, 160
Decimal	5237508
CIELab	82.43, -73.00, 78.95
CIELCh	82, 107.531, 132.757
Yxy	61.0877, 0.3162, 0.5862
Android (android.graphics.Color)	4283427588 (0xFF4FEB04)
YUV	162.0220, -77.9048, -72.8103
Hunter-Lab	78.1586, -61.5233, 46.9956

# Details

The Yxy color **61.0877, 0.3162, 0.5862** 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 **13.5775, 0.2408, 0.1106**, and the grayscale version is **36.5192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5372, 0.3312, 0.5225**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.9654, 0.3153, 0.5878**, and if you desaturate by 10%, it is **61.9269, 0.3213, 0.5748**.

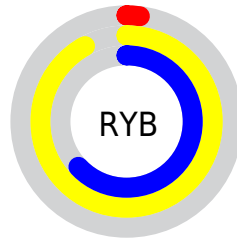
# Distribution



Red (31%)

Green (92%)

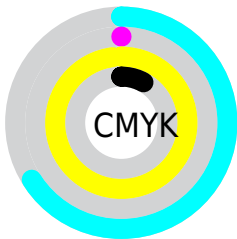
Blue (2%)



Red (2%)

Yellow (92%)

Blue (63%)

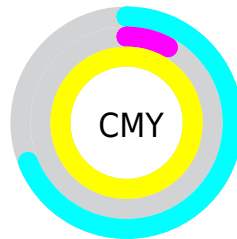


Cyan (66%)

Magenta (0%)

Yellow (98%)

Black (8%)



Cyan (69%)

Magenta (8%)

Yellow (98%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0877, 0.3162, 0.5862 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 61.0877, 0.3162, 0.5862 by changing the saturation by 10% instead.





 61.0877, 0.3162,  
0.5862

 61.0877, 0.3162,  
0.5862


 428.5955, 0.3274,  
0.4569


 44.2959, 0.3092,  
0.6157

 106.4059, 0.3235,  
0.5407


 30.9032, 0.2981,  
0.6508


 135.7012, 0.3253,  
0.5230


 20.5252, 0.2805,  
0.6926


 169.9330, 0.3264,  
0.5079

 12.7774, 0.2539,  
0.7461

 209.4859, 0.3270,  
0.4949

 7.2754, 0.2072,  
0.7928

 254.7442, 0.3273,  
0.4835

 3.6349, 0.1371,  
0.8629

 306.0923, 0.3275,

 1.4715, 0.0000,

0.4735

1.0000

363.9146, 0.3275,  
0.4647

■ 0.2686, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.0877, 0.3162,  
0.5862

■ 61.0877, 0.3162,  
0.5862


■ 60.9654, 0.3153,  
0.5878

■ 61.9269, 0.3213,  
0.5748


■ 63.0219, 0.3253,  
0.5566


■ 64.4046, 0.3278,  
0.5323


■ 66.0979, 0.3286,  
0.5034

 68.1219, 0.3280,  
0.4717

 70.4950, 0.3261,  
0.4392

 73.2339, 0.3232,  
0.4074

 76.3543, 0.3198,  
0.3774

 79.8707, 0.3160,  
0.3498

# Harmonies

## Analogous

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



61.0877, 0.4298, 0.5375



61.0877, 0.3162, 0.5862



61.0877, 0.2072, 0.5007

# Triad

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



61.0877, 0.3162, 0.5862



61.0877, 0.1202, 0.1599



61.0877, 0.5214, 0.2827

# Complementary

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



61.0877, 0.3162, 0.5862



13.5775, 0.2408, 0.1106

# 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.



61.0877, 0.3920, 0.2152



61.0877, 0.3162, 0.5862



61.0877, 0.1663, 0.1486

# Square

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



61.0877, 0.3162, 0.5862



61.0877, 0.1091, 0.2129



61.0877, 0.2570, 0.1679



61.0877, 0.5690, 0.3588



# Rectangle

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



61.0877, 0.3162, 0.5862



61.0877, 0.1530, 0.3865



61.0877, 0.2570, 0.1679



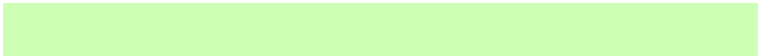
61.0877, 0.4842, 0.2589

# Sweetspot

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



61.0903, 0.3162, 0.5862



87.8402, 0.3235, 0.4101



42.1384, 0.4925, 0.4461



18.4909, 0.3248, 0.4236



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.



61.0903, 0.3162, 0.5862



73.3433, 0.3151, 0.5880



59.6194, 0.2961, 0.5847



17.0991, 0.3164, 0.3530



33.9883, 0.3164, 0.5870



2.7191, 0.3269, 0.5787



# Inverse Universe

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



13.5775, 0.2408, 0.1106



16.0298, 0.2390, 0.1090



21.7618, 0.3679, 0.1806



15.0549, 0.3086, 0.3054



7.5026, 0.2406, 0.1099

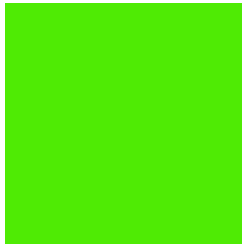


0.6407, 0.2519, 0.1162



# Previews

## White Background



This preview shows how the Yxy color 61.0877, 0.3162, 0.5862 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 61.0877, 0.3162, 0.5862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

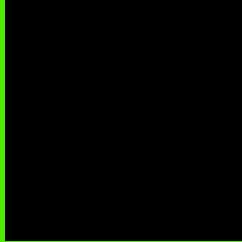
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

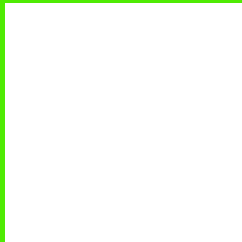
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.0877, 0.3162, 0.5862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0877, 0.3162, 0.5862.

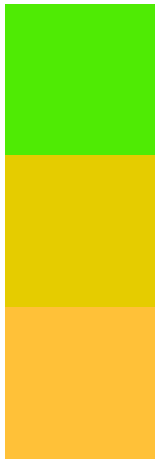


This preview shows how white text looks on a background with the Yxy color 61.0877, 0.3162, 0.5862.

# 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

61.0877, 0.3162, 0.5862

### Protanopia

59.8437, 0.4402, 0.4887

### Deuteranopia

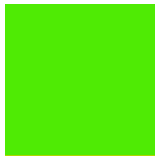
59.6855, 0.4597, 0.4496



## Tritanopia

60.4099, 0.2453, 0.3062

# Trichromacy



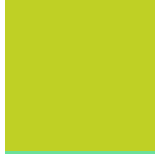
## Original Color

61.0877, 0.3162, 0.5862



## Protanomaly

57.6017, 0.3856, 0.5318



## Deuteranomaly

56.3217, 0.3999, 0.5075



## Tritanomaly

58.7041, 0.2820, 0.4313

# Monochromacy



## Original Color

61.0877, 0.3162, 0.5862



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

42.3206, 0.3271, 0.4574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0877, 0.3162, 0.5862 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(79, 235, 4)` looks like.

```
.text, #text, p{  
    color:rgb(79, 235, 4)  
}
```

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(79, 235, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 235, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0877, 0.3162, 0.5862 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(79, 235, 4) }
```

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

```
.border{ border-color:rgb(79, 235, 4) }
```

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

Here you see how a box with a 4 pixel rgb(79, 235, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 235, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 235, 4);  
box-shadow:4px 4px 4px 4px rgb(79, 235, 4)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 61.0877, 0.3162, 0.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 235, 4) }
```

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

```
.background{ background-color: rgb(79, 235,  
4) }
```

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