

# Converting Colors

Yxy(64.4213, 0.3139, 0.5090)

Have a look what the booklet for  
Yxy(64.4213, 0.3139, 0.5090)  
contains.

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# Color

**Yxy(64.2587, 0.3138, 0.5090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EB64
RGB	119, 235, 100
RGB Percent	47%, 92%, 39%
CMY	0.5333, 0.0784, 0.6078
CMYK	0.49, 0.00, 0.57, 0.08
HSL	112°, 77%, 66%
HSV	112°, 57%, 92%
XYZ	39.6157, 64.2587, 22.3706
YIQ	184.9260, -25.8010, -66.5770

# Conversions

## Conversions Part 2

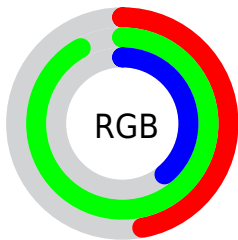
Format	Color
<a href="#">RYB</a>	<a href="#">100, 235, 216</a>
Decimal	<a href="#">7859044</a>
CIELab	<a href="#">84.10, -57.98, 54.57</a>
CIELCh	<a href="#">84, 79.620, 136.732</a>
Yxy	<a href="#">64.2587, 0.3138, 0.5090</a>
Android (android.graphics.Color)	<a href="#">4286049124 (0xFF77EB64)</a>
YUV	<a href="#">184.9260, -41.8685, -57.8171</a>
Hunter-Lab	<a href="#">80.1615, -52.0683, 39.5671</a>

# Details

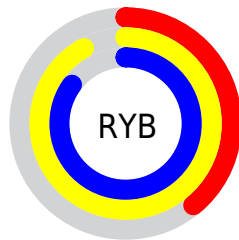
The Yxy color **64.2587, 0.3138, 0.5090** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.7129, 0.3003, 0.1864**, and the grayscale version is **48.7210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3181, 0.3210, 0.4461**, and **32.8425, 0.3062, 0.5596** is the 20% darker color. If you saturate the color by 10%, you get **62.5900, 0.3121, 0.5403**, and if you desaturate by 10%, it is **66.3676, 0.3148, 0.4749**.

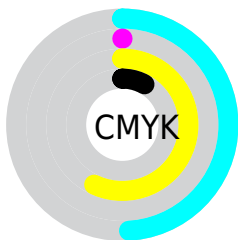
# Distribution



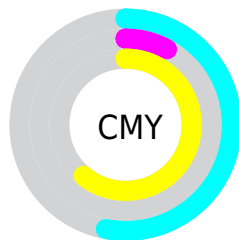
- Red (47%)
- Green (92%)
- Blue (39%)



- Red (39%)
- Yellow (92%)
- Blue (85%)



- Cyan (49%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)




- Cyan (53%)
- Magenta (8%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2587, 0.3138, 0.5090 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 64.2587, 0.3138, 0.5090 by changing the saturation by 10% instead.




 64.2587, 0.3138,  
0.5090

 64.2587, 0.3138,  
0.5090


440.1233, 0.3187,  
0.4179

 46.8602, 0.3109,  
0.5312

 110.9834, 0.3169,  
0.4761


 32.9252, 0.3062,  
0.5591


 141.0785, 0.3176,  
0.4636

 22.0691, 0.2984,  
0.5948


 176.1745, 0.3181,  
0.4531

 13.9077, 0.2849,  
0.6410

 216.6559, 0.3184,  
0.4440

 8.0565, 0.2641,  
0.7099

262.9071, 0.3186,  
0.4362

 4.1311, 0.2181,  
0.7819

315.3125, 0.3187,

 1.7472, 0.0377,

0.4293

0.9623

374.2564, 0.3187,  
0.4232

0.4539, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.2587, 0.3138,  
0.5090

64.2587, 0.3138,  
0.5090

62.5900, 0.3121,  
0.5403

66.3676, 0.3148,  
0.4749

61.3222, 0.3097,  
0.5662

68.9365, 0.3151,  
0.4402

60.4229, 0.3069,  
0.5848

71.9936, 0.3150,  
0.4068

59.8491, 0.3039,  
0.5954

75.5626, 0.3144,  
0.3758

 59.7441, 0.3033,  
0.5973

 79.6657, 0.3135,  
0.3478

 84.3237, 0.3124,  
0.3230

 87.8997, 0.3136,  
0.3097

# Harmonies

## Analogous

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



64.2587, 0.4042, 0.5009



64.2587, 0.3138, 0.5090



64.2587, 0.2279, 0.4342

# Triad

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



64.2587, 0.3138, 0.5090



64.2587, 0.1622, 0.1943



64.2587, 0.4752, 0.3069

# Complementary

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



64.2587, 0.3138, 0.5090



29.7129, 0.3003, 0.1864

# 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.



64.2587, 0.3869, 0.2480



64.2587, 0.3138, 0.5090



64.2587, 0.2066, 0.1861

# Square

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



64.2587, 0.3138, 0.5090



64.2587, 0.1498, 0.2364



64.2587, 0.2849, 0.2053



64.2587, 0.5074, 0.3735



# Rectangle

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



64.2587, 0.3138, 0.5090



64.2587, 0.1854, 0.3580



64.2587, 0.2849, 0.2053



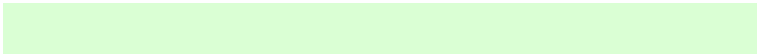
64.2587, 0.4504, 0.2860

# Sweetspot

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



64.2614, 0.3138, 0.5090



91.1227, 0.3143, 0.3747



67.0590, 0.4063, 0.4481



19.3065, 0.3145, 0.3807



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.



64.2614, 0.3138, 0.5090



75.0168, 0.3117, 0.5456



64.2435, 0.2825, 0.4509



16.9638, 0.3137, 0.3532



33.2809, 0.3039, 0.5969



2.6453, 0.3112, 0.5911



# Inverse Universe

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



29.7129, 0.3003, 0.1864



29.6823, 0.2963, 0.1642



30.3975, 0.3709, 0.2355



15.2001, 0.3115, 0.3056



10.3638, 0.2857, 0.1347



0.8433, 0.2908, 0.1376



# Previews

## White Background



This preview shows how the Yxy color 64.2587, 0.3138, 0.5090 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 64.2587, 0.3138, 0.5090 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 64.2587, 0.3138, 0.5090**

## Background



This preview shows how black text looks on a background with the Yxy color 64.2587, 0.3138, 0.5090.



This preview shows how white text looks on a background with the Yxy color 64.2587, 0.3138, 0.5090.

# 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

64.2587, 0.3138, 0.5090

### Protanopia

63.3626, 0.4110, 0.4514

### Deuteranopia

63.2545, 0.4256, 0.4172



## Tritanopia

63.9969, 0.2560, 0.3083

# Trichromacy



## Original Color

64.2587, 0.3138, 0.5090



## Protanomaly

61.9162, 0.3706, 0.4744



## Deuteranomaly

61.2703, 0.3800, 0.4507



## Tritanomaly

63.2578, 0.2780, 0.3787

# Monochromacy



## Original Color

64.2587, 0.3138, 0.5090



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

52.6220, 0.3149, 0.3956

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2587, 0.3138, 0.5090 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(119, 235, 100)` looks like.

```
.text, #text, p{  
    color:rgb(119, 235, 100)  
}
```

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(119, 235, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 235, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2587, 0.3138, 0.5090 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(119, 235, 100) }
```

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

```
.border{ border-color:rgb(119, 235, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 235, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 235, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 235, 100);  
box-shadow:4px 4px 4px 4px rgb(119, 235,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2587, 0.3138, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 235, 100) }
```

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

```
.background{ background-color: rgb(119,  
235, 100) }
```

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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