

# Converting Colors

Yxy(64.4358, 0.3099, 0.5043)

Have a look what the booklet for  
Yxy(64.4358, 0.3099, 0.5043)  
contains.

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# Color

**Yxy(64.7238, 0.3100, 0.5047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74EC69
RGB	116, 236, 105
RGB Percent	45%, 93%, 41%
CMY	0.5448, 0.0745, 0.5882
CMYK	0.51, 0.00, 0.56, 0.07
HSL	115°, 78%, 67%
HSV	115°, 56%, 93%
XYZ	39.7551, 64.7238, 23.7633
YIQ	185.1860, -29.4690, -66.1810

# Conversions

## Conversions Part 2

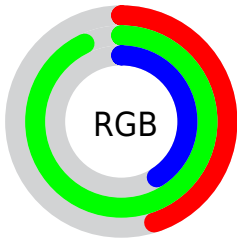
Format	Color
<a href="#">RYB</a>	<a href="#">105, 236, 225</a>
Decimal	<a href="#">7662697</a>
CIELab	<a href="#">84.34, -58.58, 52.59</a>
CIELCh	<a href="#">84, 78.719, 138.084</a>
Yxy	<a href="#">64.7238, 0.3100, 0.5047</a>
Android (android.graphics.Color)	<a href="#">4285852777 (0xFF74EC69)</a>
YUV	<a href="#">185.1860, -39.5317, -60.6761</a>
Hunter-Lab	<a href="#">80.4511, -52.5833, 38.8030</a>

# Details

The Yxy color **64.7238, 0.3100, 0.5047** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **32.1568, 0.3081, 0.1934**, and the grayscale version is **48.8728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2533, 0.3172, 0.4408**, and **33.1830, 0.3021, 0.5544** is the 20% darker color. If you saturate the color by 10%, you get **62.9931, 0.3083, 0.5372**, and if you desaturate by 10%, it is **66.9389, 0.3113, 0.4697**.

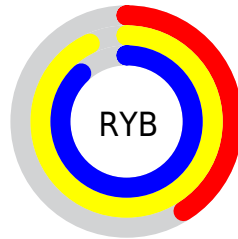
# Distribution



Red (45%)

Green (93%)

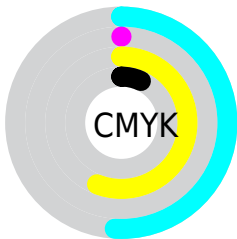
Blue (41%)



Red (41%)

Yellow (93%)

Blue (88%)

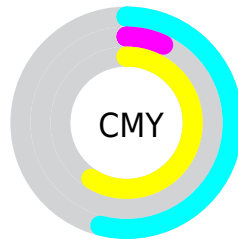


Cyan (51%)

Magenta (0%)

Yellow (56%)

Black (7%)



Cyan (54%)

Magenta (7%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7238, 0.3100, 0.5047 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 64.7238, 0.3100, 0.5047 by changing the saturation by 10% instead.




 64.7238, 0.3100,  
0.5047

 64.7238, 0.3100,  
0.5047


441.7988, 0.3163,  
0.4157


 47.2372, 0.3069,  
0.5265


 111.6527, 0.3135,  
0.4725

 33.2232, 0.3020,  
0.5540


 141.8637, 0.3144,  
0.4603

 22.2975, 0.2941,  
0.5893


 177.0850, 0.3151,  
0.4500

 14.0756, 0.2809,  
0.6354

 217.7009, 0.3156,  
0.4411

 8.1733, 0.2593,  
0.7010

264.0958, 0.3159,  
0.4335

 4.2060, 0.2170,  
0.7830

316.6542, 0.3161,

 1.7895, 0.0423,

0.4268

0.9577

375.7604, 0.3162,  
0.4209

■ 0.4806, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7238, 0.3100,  
0.5047

■ 64.7238, 0.3100,  
0.5047

■ 62.9931, 0.3083,  
0.5372

■ 66.9389, 0.3113,  
0.4697

■ 61.7030, 0.3064,  
0.5644


■ 69.6623, 0.3121,  
0.4346


■ 60.8156, 0.3042,  
0.5843


■ 72.9259, 0.3126,  
0.4011


■ 60.2825, 0.3022,  
0.5957

■ 76.7568, 0.3128,  
0.3703

 60.1365, 0.3015,  
0.5988

 81.1801, 0.3128,  
0.3428

 86.2196, 0.3126,  
0.3185

 88.4684, 0.3136,  
0.3107

# Harmonies

## Analogous

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



64.7238, 0.3997, 0.5007



64.7238, 0.3100, 0.5047



64.7238, 0.2258, 0.4278

# Triad

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



64.7238, 0.3100, 0.5047



64.7238, 0.1650, 0.1948



64.7238, 0.4759, 0.3102

# Complementary

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



64.7238, 0.3100, 0.5047



32.1568, 0.3081, 0.1934

# 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.



64.7238, 0.3905, 0.2513



64.7238, 0.3100, 0.5047



64.7238, 0.2106, 0.1879

# Square

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



64.7238, 0.3100, 0.5047



64.7238, 0.1514, 0.2350



64.7238, 0.2895, 0.2081



64.7238, 0.5049, 0.3765



# Rectangle

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



64.7238, 0.3100, 0.5047



64.7238, 0.1847, 0.3527



64.7238, 0.2895, 0.2081



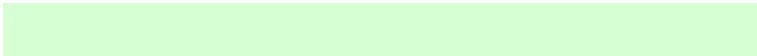
64.7238, 0.4522, 0.2894

# Sweetspot

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



64.7265, 0.3100, 0.5047



90.7502, 0.3128, 0.3749



71.5724, 0.3996, 0.4504



19.2198, 0.3128, 0.3810



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.



64.7265, 0.3100, 0.5047



74.7917, 0.3080, 0.5425



65.4402, 0.2798, 0.4366



16.9229, 0.3128, 0.3533



33.1721, 0.3019, 0.5985



2.6258, 0.3068, 0.5946



# Inverse Universe

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



32.1568, 0.3081, 0.1934



32.2085, 0.3061, 0.1719



31.3808, 0.3762, 0.2446



15.2453, 0.3124, 0.3057



11.4188, 0.2998, 0.1425

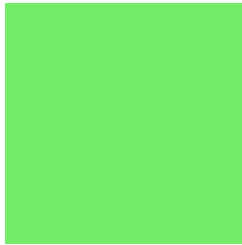


0.9157, 0.3029, 0.1442



# Previews

## White Background



This preview shows how the Yxy color 64.7238, 0.3100, 0.5047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

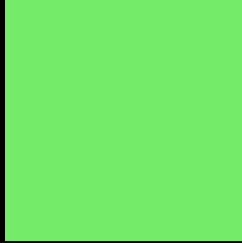
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7238, 0.3100, 0.5047 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 64.7238, 0.3100, 0.5047**

## Background



This preview shows how black text looks on a background with the Yxy color 64.7238, 0.3100, 0.5047.



This preview shows how white text looks on a background with the Yxy color 64.7238, 0.3100, 0.5047.

# 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

64.7238, 0.3100, 0.5047

### Protanopia

63.6013, 0.4096, 0.4477

### Deuteranopia

63.3678, 0.4222, 0.4128



## Tritanopia

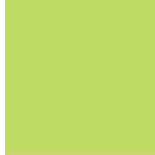
64.4631, 0.2542, 0.3071

# Trichromacy



## Original Color

64.7238, 0.3100, 0.5047



## Protanomaly

62.5110, 0.3681, 0.4713



## Deuteranomaly

61.0942, 0.3753, 0.4463



## Tritanomaly

63.7681, 0.2754, 0.3760

# Monochromacy



## Original Color

64.7238, 0.3100, 0.5047



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

53.0596, 0.3126, 0.3941

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7238, 0.3100, 0.5047 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(116, 236, 105)` looks like.

```
.text, #text, p{  
    color:rgb(116, 236, 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(116, 236, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 236, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7238, 0.3100, 0.5047 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(116, 236, 105) }
```

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

```
.border{ border-color:rgb(116, 236, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 236, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 236, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 236, 105);  
box-shadow:4px 4px 4px 4px rgb(116, 236,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7238, 0.3100, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 236, 105) }
```

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

```
.background{ background-color: rgb(116,  
236, 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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