

# Converting Colors

$Yxy(69.3245, 0.3629, 0.5116)$

Have a look what the booklet for  
Yxy(69.3245, 0.3629, 0.5116)  
contains.

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# Color

**Yxy(69.3627, 0.3630, 0.5110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EB49
RGB	178, 235, 73
RGB Percent	70%, 92%, 29%
CMY	0.3019, 0.0784, 0.7135
CMYK	0.24, 0.00, 0.69, 0.08
HSL	81°, 80%, 60%
HSV	81°, 69%, 92%
XYZ	49.2733, 69.3627, 17.1031
YIQ	199.4890, 18.0300, -62.4660

# Conversions

## Conversions Part 2

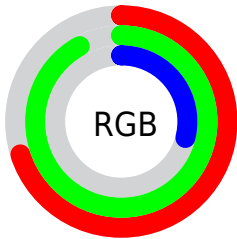
Format	Color
<a href="#">RYB</a>	<a href="#">73, 235, 130</a>
Decimal	<a href="#">11725641</a>
CIELab	<a href="#">86.68, -40.94, 69.13</a>
CIELCh	<a href="#">87, 80.341, 120.634</a>
Yxy	<a href="#">69.3627, 0.3630, 0.5110</a>
Android (android.graphics.Color)	<a href="#">4289915721 (0xFFB2EB49)</a>
YUV	<a href="#">199.4890, -62.3591, -18.8459</a>
Hunter-Lab	<a href="#">83.2843, -40.1419, 46.1233</a>

# Details

The Yxy color **69.3627, 0.3630, 0.5110** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **15.5205, 0.2174, 0.1269**, and the grayscale version is **57.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1362, 0.3724, 0.4543**, and **36.3051, 0.3634, 0.5496** is the 20% darker color. If you saturate the color by 10%, you get **68.1613, 0.3638, 0.5300**, and if you desaturate by 10%, it is **70.7469, 0.3597, 0.4879**.

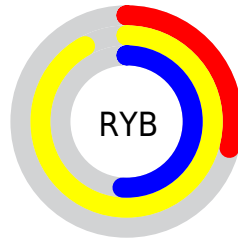
# Distribution



Red (70%)

Green (92%)

Blue (29%)



Red (29%)

Yellow (92%)

Blue (51%)

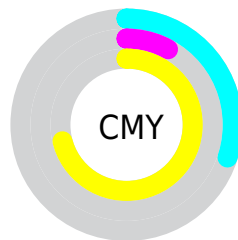


Cyan (24%)

Magenta (0%)

Yellow (69%)

Black (8%)



Cyan (30%)

Magenta (8%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3627, 0.3630, 0.5110 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 69.3627, 0.3630, 0.5110 by changing the saturation by 10% instead.





 69.3627, 0.3630,  
0.5110

 69.3627, 0.3630,  
0.5110


458.3092, 0.3464,  
0.4242


 51.0071, 0.3643,  
0.5302


 118.2995, 0.3591,  
0.4811

 36.2143, 0.3646,  
0.5531


 149.6495, 0.3570,  
0.4693

 24.5997, 0.3625,  
0.5805


 186.0998, 0.3550,  
0.4592

 15.7791, 0.3560,  
0.6132

 228.0347, 0.3530,  
0.4504

 9.3680, 0.3436,  
0.6564

 275.8387, 0.3512,  
0.4426

 4.9820, 0.3088,  
0.6912

329.8962, 0.3495,

 2.2367, 0.2526,

0.4357

0.7474

390.5916, 0.3479,  
0.4296

0.7399, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.3627, 0.3630,  
0.5110

69.3627, 0.3630,  
0.5110

68.1613, 0.3638,  
0.5300

70.7469, 0.3597,  
0.4879

67.1185, 0.3622,  
0.5440

72.3177, 0.3543,  
0.4617


66.2151, 0.3584,  
0.5532


74.0894, 0.3472,  
0.4339


66.1222, 0.3579,  
0.5540


76.0725, 0.3390,  
0.4056

 78.2764, 0.3300,  
0.3778

 80.7100, 0.3209,  
0.3512

 83.3814, 0.3117,  
0.3264

 85.9024, 0.3065,  
0.3093

 87.4167, 0.3119,  
0.3096

# Harmonies

## Analogous

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



69.3627, 0.4452, 0.4712



69.3627, 0.3630, 0.5110



69.3627, 0.2728, 0.4811

# Triad

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



69.3627, 0.3630, 0.5110



69.3627, 0.1536, 0.2138



69.3627, 0.4307, 0.2747

# Complementary

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



69.3627, 0.3630, 0.5110



15.5205, 0.2174, 0.1269

# 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.



69.3627, 0.3306, 0.2239



69.3627, 0.3630, 0.5110



69.3627, 0.1804, 0.1886

# Square

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



69.3627, 0.3630, 0.5110



69.3627, 0.1585, 0.2775



69.3627, 0.2399, 0.1936



69.3627, 0.4957, 0.3374



# Rectangle

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



69.3627, 0.3630, 0.5110



69.3627, 0.2199, 0.4183



69.3627, 0.2399, 0.1936



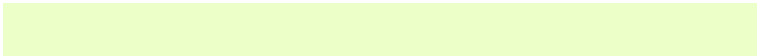
69.3627, 0.3989, 0.2560

# Sweetspot

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



69.3658, 0.3630, 0.5110



93.6174, 0.3320, 0.3838



34.0396, 0.4931, 0.3866



19.8782, 0.3345, 0.3914



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.



69.3658, 0.3630, 0.5110



81.4616, 0.3634, 0.5368



62.4606, 0.3125, 0.5440



17.3464, 0.3214, 0.3527



36.8729, 0.3588, 0.5533



2.9488, 0.3673, 0.5466



# Inverse Universe

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



15.5205, 0.2174, 0.1269



12.8137, 0.1956, 0.0950



24.5767, 0.2949, 0.1641



14.8068, 0.3035, 0.3050



4.4189, 0.1773, 0.0750

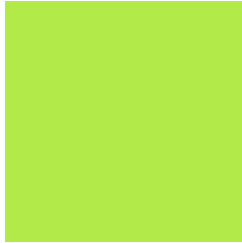


0.3990, 0.1925, 0.0834



# Previews

## White Background



This preview shows how the Yxy color 69.3627, 0.3630, 0.5110 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 69.3627, 0.3630, 0.5110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

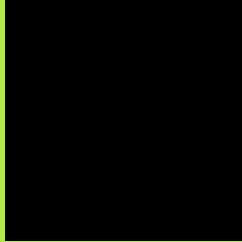
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3627, 0.3630, 0.5110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3627, 0.3630, 0.5110.

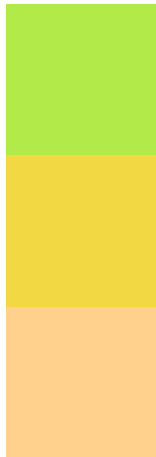


This preview shows how white text looks on a background with the Yxy color 69.3627, 0.3630, 0.5110.

# 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

69.3627, 0.3630, 0.5110

### Protanopia

68.9203, 0.4254, 0.4692

### Deuteranopia

68.7544, 0.3999, 0.3998



## Tritanopia

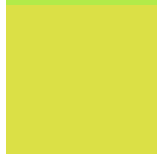
69.3066, 0.2870, 0.3100

# Trichromacy



## Original Color

69.3627, 0.3630, 0.5110



## Protanomaly

68.8136, 0.4016, 0.4851



## Deuteranomaly

67.7347, 0.3888, 0.4396



## Tritanomaly

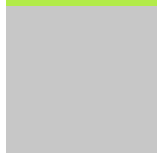
68.1011, 0.3198, 0.3865

# Monochromacy



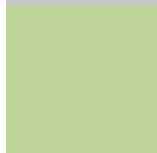
## Original Color

69.3627, 0.3630, 0.5110



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.4632, 0.3377, 0.4021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3627, 0.3630, 0.5110 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(178, 235, 73)` looks like.

```
.text, #text, p{  
    color:rgb(178, 235, 73)  
}
```

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(178, 235, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 235, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3627, 0.3630, 0.5110 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(178, 235, 73) }
```

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

```
.border{ border-color:rgb(178, 235, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 235, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 235, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 235, 73);  
box-shadow:4px 4px 4px 4px rgb(178, 235,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3627, 0.3630, 0.5110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 235, 73) }
```

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

```
.background{ background-color: rgb(178,  
235, 73) }
```

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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