

# Converting Colors

$Yxy(69.7017, 0.3658, 0.5110)$

Have a look what the booklet for  
Yxy(69.7017, 0.3658, 0.5110)  
contains.

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# Color

**Yxy(69.6954, 0.3659, 0.5110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EB47
RGB	181, 235, 71
RGB Percent	71%, 92%, 28%
CMY	0.2901, 0.0784, 0.7214
CMYK	0.23, 0.00, 0.70, 0.08
HSL	80°, 80%, 60%
HSV	80°, 70%, 92%
XYZ	49.9052, 69.6954, 16.7896
YIQ	200.1580, 20.4600, -62.4520

# Conversions

## Conversions Part 2

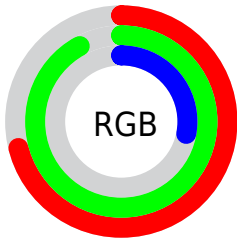
Format	Color
<a href="#">RYB</a>	<a href="#">71, 235, 125</a>
Decimal	<a href="#">11922247</a>
CIELab	<a href="#">86.85, -39.94, 70.07</a>
CIElCh	<a href="#">87, 80.655, 119.679</a>
Yxy	<a href="#">69.6954, 0.3659, 0.5110</a>
Android (android.graphics.Color)	<a href="#">4290112327 (0xFFB5EB47)</a>
YUV	<a href="#">200.1580, -63.6749, -16.8016</a>
Hunter-Lab	<a href="#">83.4838, -39.3923, 46.5147</a>

# Details

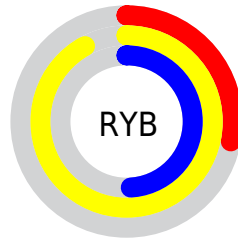
The Yxy color **69.6954, 0.3659, 0.5110** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **14.8723, 0.2130, 0.1232**, and the grayscale version is **58.2579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6038, 0.3755, 0.4550**, and **36.5253, 0.3662, 0.5474** is the 20% darker color. If you saturate the color by 10%, you get **68.5430, 0.3669, 0.5291**, and if you desaturate by 10%, it is **71.0226, 0.3624, 0.4886**.

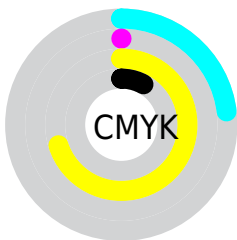
# Distribution



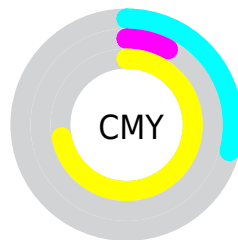
- Red (71%)
- Green (92%)
- Blue (28%)



- Red (28%)
- Yellow (92%)
- Blue (49%)



- Cyan (23%)
- Magenta (0%)
- Yellow (70%)
- Black (8%)



- Cyan (29%)
- Magenta (8%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6954, 0.3659, 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 69.6954, 0.3659, 0.5110 by changing the saturation by 10% instead.




 69.6954, 0.3659,  
0.5110


 69.6954, 0.3659,  
0.5110


459.4798, 0.3481,  
0.4246


 51.2783, 0.3675,  
0.5300


 118.7743, 0.3616,  
0.4814


 36.4301, 0.3679,  
0.5525


 150.2048, 0.3594,  
0.4697

 24.7666, 0.3661,  
0.5794


 186.7419, 0.3572,  
0.4595

 15.9032, 0.3600,  
0.6112

 228.7699, 0.3551,  
0.4507

 9.4557, 0.3477,  
0.6523

 276.6734, 0.3532,  
0.4430

 5.0396, 0.3139,  
0.6861

330.8365, 0.3514,

 2.2705, 0.2600,

0.4361

0.7400

391.6439, 0.3497,  
0.4300

0.7580, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.6954, 0.3659,  
0.5110

69.6954, 0.3659,  
0.5110

68.5430, 0.3669,  
0.5291

71.0226, 0.3624,  
0.4886

67.5408, 0.3653,  
0.5423


72.5282, 0.3568,  
0.4631


66.6676, 0.3617,  
0.5509


74.2265, 0.3494,  
0.4357

66.6484, 0.3616,  
0.5511


76.1277, 0.3408,  
0.4077

 78.2414, 0.3316,  
0.3800

 80.5761, 0.3220,  
0.3534

 83.1400, 0.3125,  
0.3284

 85.6777, 0.3057,  
0.3092

 87.0830, 0.3108,  
0.3096

# Harmonies

## Analogous

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



69.6954, 0.4476, 0.4695



69.6954, 0.3659, 0.5110



69.6954, 0.2754, 0.4838

# Triad

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



69.6954, 0.3659, 0.5110



69.6954, 0.1530, 0.2149



69.6954, 0.4280, 0.2727

# Complementary

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



69.6954, 0.3659, 0.5110



14.8723, 0.2130, 0.1232

# 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.



69.6954, 0.3274, 0.2224



69.6954, 0.3659, 0.5110



69.6954, 0.1788, 0.1887

# Square

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



69.6954, 0.3659, 0.5110



69.6954, 0.1589, 0.2801



69.6954, 0.2373, 0.1927



69.6954, 0.4949, 0.3353



# Rectangle

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



69.6954, 0.3659, 0.5110



69.6954, 0.2220, 0.4220



69.6954, 0.2373, 0.1927



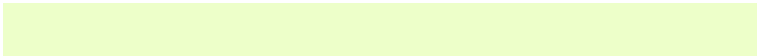
69.6954, 0.3959, 0.2541

# Sweetspot

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



69.6985, 0.3659, 0.5110



93.8261, 0.3328, 0.3836



32.2746, 0.5014, 0.3810



19.9281, 0.3354, 0.3912



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.



69.6985, 0.3659, 0.5110



81.9271, 0.3665, 0.5358



62.6456, 0.3149, 0.5446



17.3641, 0.3217, 0.3526



37.1645, 0.3625, 0.5504



2.9702, 0.3705, 0.5440



# Inverse Universe

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



14.8723, 0.2130, 0.1232



12.1931, 0.1909, 0.0915



23.4810, 0.2889, 0.1600



14.7898, 0.3031, 0.3050



4.2870, 0.1741, 0.0733



0.3872, 0.1891, 0.0816



# Previews

## White Background



This preview shows how the Yxy color 69.6954, 0.3659, 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 69.6954, 0.3659, 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 69.6954, 0.3659, 0.5110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6954, 0.3659, 0.5110.

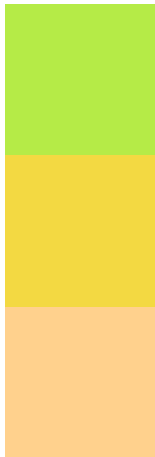


This preview shows how white text looks on a background with the Yxy color 69.6954, 0.3659, 0.5110.

# 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

69.6954, 0.3659, 0.5110

### Protanopia

69.0737, 0.4269, 0.4699

### Deuteranopia

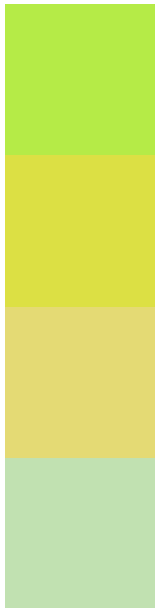
68.7840, 0.3992, 0.3988



## Tritanopia

69.0568, 0.2882, 0.3089

# Trichromacy



**Original Color**

69.6954, 0.3659, 0.5110

**Protanomaly**

68.9443, 0.4031, 0.4858

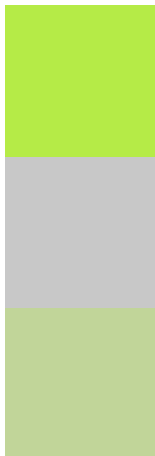
**Deuteranomaly**

67.8977, 0.3896, 0.4393

**Tritanomaly**

68.3622, 0.3212, 0.3862

# Monochromacy



**Original Color**

69.6954, 0.3659, 0.5110

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

61.2259, 0.3391, 0.4028

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6954, 0.3659, 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(181, 235, 71)` looks like.

```
.text, #text, p{  
    color:rgb(181, 235, 71)  
}
```

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(181, 235, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 235, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6954, 0.3659, 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(181, 235, 71) }
```

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

```
.border{ border-color:rgb(181, 235, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 235, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 235, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 235, 71);  
box-shadow:4px 4px 4px 4px rgb(181, 235,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6954, 0.3659, 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(181, 235, 71) }
```

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

```
.background{ background-color: rgb(181,  
235, 71) }
```

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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