

# Converting Colors

$Y_{xy}(65.3919, 0.3755, 0.5218)$

Have a look what the booklet for  
Yxy(65.3919, 0.3755, 0.5218)  
contains.

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**Color**

**Yxy(65.3953, 0.3757, 0.5219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E42F
RGB	180, 228, 47
RGB Percent	71%, 89%, 18%
CMY	0.2942, 0.1058, 0.8156
CMYK	0.21, 0.00, 0.79, 0.11
HSL	76°, 77%, 54%
HSV	76°, 79%, 89%
XYZ	47.0761, 65.3953, 12.8310
YIQ	193.0140, 29.4930, -66.4670

# Conversions

## Conversions Part 2

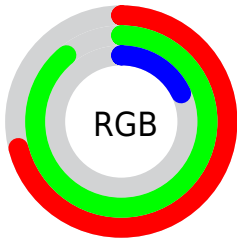
Format	Color
<a href="#">RYB</a>	<a href="#">47, 228, 95</a>
Decimal	<a href="#">11854895</a>
CIELab	<a href="#">84.69, -38.39, 75.54</a>
CIElCh	<a href="#">85, 84.742, 116.941</a>
Yxy	<a href="#">65.3953, 0.3757, 0.5219</a>
Android (android.graphics.Color)	<a href="#">4290044975</a> <a href="#">(0xFFB4E42F)</a>
YUV	<a href="#">193.0140, -71.9849, -11.4133</a>
Hunter-Lab	<a href="#">80.8674, -37.6060, 47.1998</a>

# Details

The Yxy color **65.3953, 0.3757, 0.5219** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **10.0707, 0.1896, 0.0967**, and the grayscale version is **53.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9748, 0.3836, 0.4709**, and **33.6426, 0.3691, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **64.5495, 0.3753, 0.5341**, and if you desaturate by 10%, it is **66.3747, 0.3735, 0.5049**.

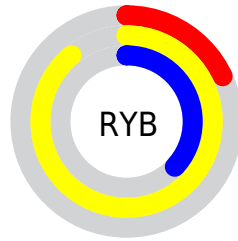
# Distribution



Red (71%)

Green (89%)

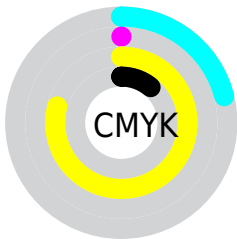
Blue (18%)



Red (18%)

Yellow (89%)

Blue (37%)

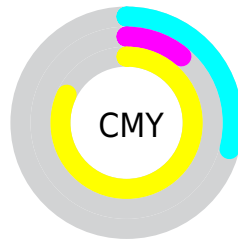


Cyan (21%)

Magenta (0%)

Yellow (79%)

Black (11%)



Cyan (29%)

Magenta (11%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3953, 0.3757, 0.5219 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 65.3953, 0.3757, 0.5219 by changing the saturation by 10% instead.




 65.3953, 0.3757,  
0.5219


 65.3953, 0.3757,  
0.5219


444.2111, 0.3548,  
0.4309

 47.7817, 0.3773,  
0.5413


 112.6180, 0.3708,  
0.4910


 33.6540, 0.3774,  
0.5640


 142.9958, 0.3682,  
0.4787


 22.6279, 0.3745,  
0.5902


 178.3972, 0.3656,  
0.4680

 14.3190, 0.3695,  
0.6259

 219.2066, 0.3631,  
0.4587

 8.3429, 0.3474,  
0.6526

 265.8082, 0.3608,  
0.4505

 4.3151, 0.3117,  
0.6883

318.5866, 0.3587,

 1.8514, 0.2473,

0.4432

0.7527

377.9261, 0.3566,  
0.4367

0.5189, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.3953, 0.3757,  
0.5219

65.3953, 0.3757,  
0.5219

64.5495, 0.3753,  
0.5341

66.3747, 0.3735,  
0.5049

63.8067, 0.3727,  
0.5420

67.4924, 0.3688,  
0.4837


63.7627, 0.3725,  
0.5424


68.7628, 0.3619,  
0.4593

70.1961, 0.3534,  
0.4329

 71.8012, 0.3436,  
0.4056

 73.5867, 0.3332,  
0.3785

 75.5601, 0.3226,  
0.3523

 77.7288, 0.3121,  
0.3275

 80.0995, 0.3019,  
0.3045

# Harmonies

## Analogous

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



65.3953, 0.4610, 0.4701



65.3953, 0.3757, 0.5219



65.3953, 0.2800, 0.5035

# Triad

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



65.3953, 0.3757, 0.5219



65.3953, 0.1435, 0.2117



65.3953, 0.4270, 0.2633

# Complementary

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



65.3953, 0.3757, 0.5219



10.0707, 0.1896, 0.0967

# 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.



65.3953, 0.3181, 0.2124



65.3953, 0.3757, 0.5219



65.3953, 0.1673, 0.1817

# Square

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



65.3953, 0.3757, 0.5219



65.3953, 0.1522, 0.2842



65.3953, 0.2251, 0.1837



65.3953, 0.5039, 0.3276



# Rectangle

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



65.3953, 0.3757, 0.5219



65.3953, 0.2222, 0.4402



65.3953, 0.2251, 0.1837



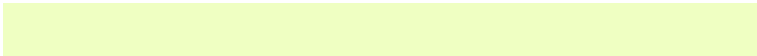
65.3953, 0.3915, 0.2443

# Sweetspot

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



65.3982, 0.3757, 0.5219



93.7153, 0.3382, 0.3914



24.4002, 0.5489, 0.3683



19.8852, 0.3420, 0.4011



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.



65.3982, 0.3757, 0.5219



82.5888, 0.3738, 0.5393



57.9857, 0.3179, 0.5638



16.6148, 0.3227, 0.3525



36.8764, 0.3732, 0.5418



2.7697, 0.3802, 0.5363



# Inverse Universe

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



10.0707, 0.1896, 0.0967



9.0804, 0.1693, 0.0723



17.6736, 0.2712, 0.1390



14.0712, 0.3021, 0.3050



3.8475, 0.1663, 0.0690

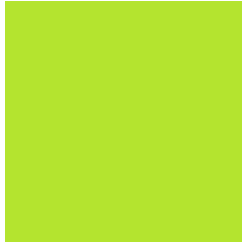


0.3287, 0.1813, 0.0772



# Previews

## White Background



This preview shows how the Yxy color 65.3953, 0.3757, 0.5219 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 65.3953, 0.3757, 0.5219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

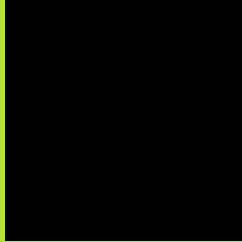
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3953, 0.3757, 0.5219**

## Background



This preview shows how black text looks on a background with the Yxy color 65.3953, 0.3757, 0.5219.



This preview shows how white text looks on a background with the Yxy color 65.3953, 0.3757, 0.5219.

# 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

65.3953, 0.3757, 0.5219

### Protanopia

64.7675, 0.4341, 0.4793

### Deuteranopia

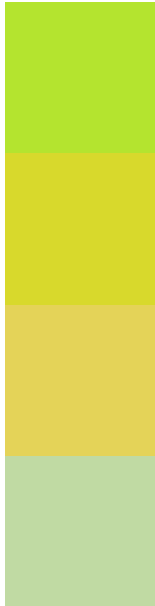
64.6488, 0.4237, 0.4199



## Tritanopia

64.8862, 0.2922, 0.3096

# Trichromacy



**Original Color**

65.3953, 0.3757, 0.5219

**Protanomaly**

64.4065, 0.4123, 0.4955

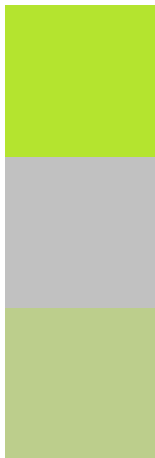
**Deuteranomaly**

63.7871, 0.4093, 0.4577

**Tritanomaly**

63.9936, 0.3306, 0.3960

# Monochromacy



**Original Color**

65.3953, 0.3757, 0.5219

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

56.7274, 0.3457, 0.4125

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3953, 0.3757, 0.5219 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(180, 228, 47)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 47)  
}
```

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(180, 228, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 47) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3953, 0.3757, 0.5219 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(180, 228, 47) }
```

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

```
.border{ border-color:rgb(180, 228, 47) }
```

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

Here you see how a box with a 4 pixel rgb(180, 228, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 47);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
47) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3953, 0.3757, 0.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 47) }
```

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

```
.background{ background-color: rgb(180,  
228, 47) }
```

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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