

# Converting Colors

Yxy(64.2389, 0.3636, 0.5227)

Have a look what the booklet for  
Yxy(64.2389, 0.3636, 0.5227)  
contains.

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# Color

**Yxy(64.1070, 0.3639, 0.5228)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8E439
RGB	168, 228, 57
RGB Percent	66%, 89%, 22%
CMY	0.3414, 0.1058, 0.7764
CMYK	0.26, 0.00, 0.75, 0.11
HSL	81°, 76%, 56%
HSV	81°, 75%, 89%
XYZ	44.6223, 64.1070, 13.8931
YIQ	190.5660, 19.1310, -65.9010

# Conversions

## Conversions Part 2

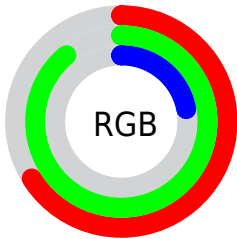
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 228, 117
Decimal	11068473
CIELab	84.02, -42.52, 71.76
CIELCh	84, 83.415, 120.648
Yxy	64.1070, 0.3639, 0.5228
Android (android.graphics.Color)	4289258553 (0xFFA8E439)
YUV	190.5660, -65.8480, -19.7904
Hunter-Lab	80.0668, -40.6366, 45.7589

# Details

The Yxy color **64.1070, 0.3639, 0.5228** 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 **12.3165, 0.2079, 0.1123**, and the grayscale version is **52.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1118, 0.3721, 0.4697**, and **32.8200, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **63.0792, 0.3632, 0.5388**, and if you desaturate by 10%, it is **65.2967, 0.3620, 0.5021**.

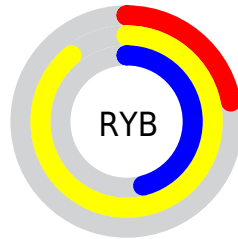
# Distribution



Red (66%)

Green (89%)

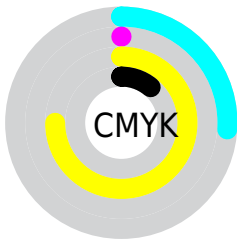
Blue (22%)



Red (22%)

Yellow (89%)

Blue (46%)

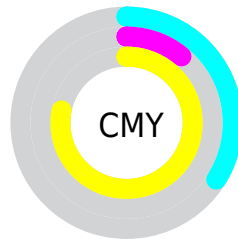


Cyan (26%)

Magenta (0%)

Yellow (75%)

Black (11%)



Cyan (34%)

Magenta (11%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1070, 0.3639, 0.5228 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 64.1070, 0.3639, 0.5228 by changing the saturation by 10% instead.




 64.1070, 0.3639,  
0.5228

 64.1070, 0.3639,  
0.5228

439.5759, 0.3478,  
0.4294

 46.7373, 0.3646,  
0.5434


 110.7650, 0.3605,  
0.4906


 32.8281, 0.3638,  
0.5679


 140.8222, 0.3585,  
0.4779


 21.9948, 0.3597,  
0.5969


 175.8773, 0.3565,  
0.4670

 13.8531, 0.3520,  
0.6347

 216.3147, 0.3546,  
0.4575

 8.0185, 0.3296,  
0.6704

 262.5189, 0.3527,  
0.4492

 4.1068, 0.2891,  
0.7109

314.8743, 0.3510,

 1.7335, 0.2015,

0.4418

0.7985

373.7651, 0.3494,  
0.4353

0.4452, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.1070, 0.3639,  
0.5228

64.1070, 0.3639,  
0.5228

63.0792, 0.3632,  
0.5388

65.2967, 0.3620,  
0.5021

62.1890, 0.3602,  
0.5498

66.6529, 0.3578,  
0.4776

61.7840, 0.3581,  
0.5539

68.1897, 0.3517,  
0.4507

69.9174, 0.3441,  
0.4226

71.8451, 0.3355,  
0.3945

73.9814, 0.3265,  
0.3671

76.3344, 0.3173,  
0.3413

78.9114, 0.3082,  
0.3172

81.2458, 0.3039,  
0.3021

# Harmonies

## Analogous

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



64.1070, 0.4509, 0.4775



64.1070, 0.3639, 0.5228



64.1070, 0.2691, 0.4927

# Triad

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



64.1070, 0.3639, 0.5228



64.1070, 0.1458, 0.2069



64.1070, 0.4383, 0.2712

# Complementary

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



64.1070, 0.3639, 0.5228



12.3165, 0.2079, 0.1123

# 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.



64.1070, 0.3313, 0.2184



64.1070, 0.3639, 0.5228



64.1070, 0.1735, 0.1814

# Square

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



64.1070, 0.3639, 0.5228



64.1070, 0.1504, 0.2732



64.1070, 0.2355, 0.1868



64.1070, 0.5072, 0.3362



# Rectangle

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



64.1070, 0.3639, 0.5228



64.1070, 0.2138, 0.4246



64.1070, 0.2355, 0.1868



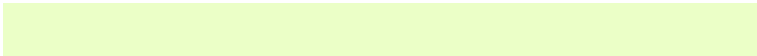
64.1070, 0.4042, 0.2518

# Sweetspot

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



64.1098, 0.3639, 0.5228



93.3512, 0.3330, 0.3865



29.4821, 0.5138, 0.3876



19.8258, 0.3354, 0.3941



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.



64.1098, 0.3639, 0.5228



80.6356, 0.3618, 0.5455



57.6142, 0.3111, 0.5597



16.5507, 0.3214, 0.3526



35.7395, 0.3590, 0.5531



2.6924, 0.3679, 0.5461



# Inverse Universe

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



12.3165, 0.2079, 0.1123



11.0079, 0.1863, 0.0841



21.1368, 0.2926, 0.1549



14.1321, 0.3035, 0.3051



4.2813, 0.1773, 0.0750



0.3668, 0.1934, 0.0839



# Previews

## White Background



This preview shows how the Yxy color 64.1070, 0.3639, 0.5228 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 64.1070, 0.3639, 0.5228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

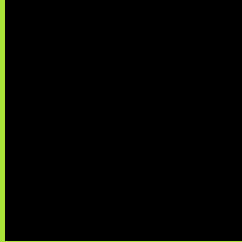
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.1070, 0.3639, 0.5228**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1070, 0.3639, 0.5228.



This preview shows how white text looks on a background with the Yxy color 64.1070, 0.3639, 0.5228.

# 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

64.1070, 0.3639, 0.5228

### Protanopia

63.3413, 0.4307, 0.4757

### Deuteranopia

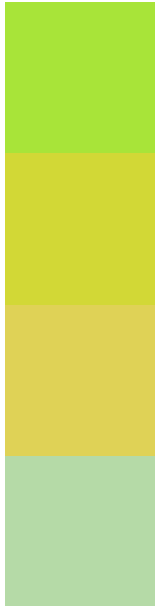
63.5279, 0.4307, 0.4256



## Tritanopia

63.9930, 0.2842, 0.3093

# Trichromacy



**Original Color**

64.1070, 0.3639, 0.5228

**Protanomaly**

63.0797, 0.4053, 0.4935

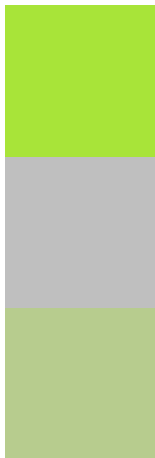
**Deuteranomaly**

62.4530, 0.4069, 0.4607

**Tritanomaly**

62.7566, 0.3197, 0.3926

# Monochromacy



**Original Color**

64.1070, 0.3639, 0.5228

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

55.2060, 0.3407, 0.4088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1070, 0.3639, 0.5228 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(168, 228, 57)` looks like.

```
.text, #text, p{  
    color:rgb(168, 228, 57)  
}
```

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(168, 228, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 228, 57) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1070, 0.3639, 0.5228 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(168, 228, 57) }
```

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

```
.border{ border-color:rgb(168, 228, 57) }
```

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

Here you see how a box with a 4 pixel rgb(168, 228, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 228, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 228, 57);  
box-shadow:4px 4px 4px 4px rgb(168, 228,  
57) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1070, 0.3639, 0.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 228, 57) }
```

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

```
.background{ background-color: rgb(168,  
228, 57) }
```

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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