

# Converting Colors

$Yxy(66.7984, 0.3619, 0.5261)$

Have a look what the booklet for  
Yxy(66.7984, 0.3619, 0.5261)  
contains.

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# Color

**Yxy(66.8882, 0.3619, 0.5262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8E938
RGB	168, 233, 56
RGB Percent	66%, 91%, 22%
CMY	0.3411, 0.0863, 0.7805
CMYK	0.28, 0.00, 0.76, 0.09
HSL	82°, 80%, 57%
HSV	82°, 76%, 91%
XYZ	46.0031, 66.8882, 14.2242
YIQ	193.3870, 18.0770, -68.8270

# Conversions

## Conversions Part 2

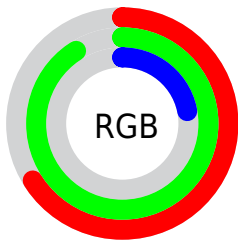
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 233, 121
Decimal	11069752
CIELab	85.45, -44.70, 73.43
CIELCh	85, 85.964, 121.332
Yxy	66.8882, 0.3619, 0.5262
Android (android.graphics.Color)	4289259832 (0xFFA8E938)
YUV	193.3870, -67.7318, -22.2644
Hunter-Lab	81.7852, -42.7202, 46.9378

# Details

The Yxy color **66.8882, 0.3619, 0.5262** 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 **12.7727, 0.2086, 0.1110**, and the grayscale version is **53.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1118, 0.3721, 0.4697**, and **34.7593, 0.3547, 0.5566** is the 20% darker color. If you saturate the color by 10%, you get **65.8055, 0.3607, 0.5420**, and if you desaturate by 10%, it is **68.1445, 0.3605, 0.5056**.

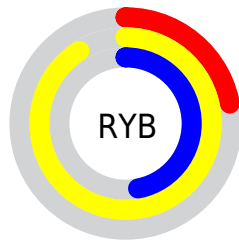
# Distribution



Red (66%)

Green (91%)

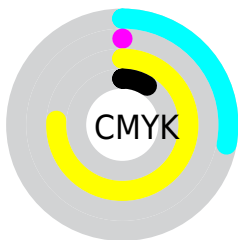
Blue (22%)



Red (22%)

Yellow (91%)

Blue (47%)

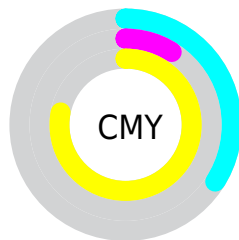


Cyan (28%)

Magenta (0%)

Yellow (76%)

Black (9%)



Cyan (34%)

Magenta (9%)


Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8882, 0.3619, 0.5262 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 66.8882, 0.3619, 0.5262 by changing the saturation by 10% instead.





 66.8882, 0.3619,  
0.5262

 66.8882, 0.3619,  
0.5262


449.5467, 0.3472,  
0.4318

 48.9938, 0.3623,  
0.5469


 114.7602, 0.3591,  
0.4938

 34.6145, 0.3610,  
0.5715


 145.5066, 0.3573,  
0.4810


 23.3661, 0.3565,  
0.6004


 181.3057, 0.3554,  
0.4699

 14.8641, 0.3479,  
0.6373

 222.5420, 0.3536,  
0.4603

 8.7240, 0.3260,  
0.6740

 269.5999, 0.3519,  
0.4518

 4.5616, 0.2860,  
0.7140

322.8637, 0.3502,

 1.9924, 0.2114,

0.4443

0.7886

382.7178, 0.3487,  
0.4377

0.6031, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.8882, 0.3619,  
0.5262

66.8882, 0.3619,  
0.5262

65.8055, 0.3607,  
0.5420

68.1445, 0.3605,  
0.5056

64.8703, 0.3572,  
0.5526

69.5798, 0.3568,  
0.4811


64.5253, 0.3555,  
0.5560

71.2093, 0.3511,  
0.4541


73.0439, 0.3439,  
0.4258

 75.0936, 0.3357,  
0.3974

 77.3677, 0.3270,  
0.3699

 79.8747, 0.3180,  
0.3437

 82.6227, 0.3092,  
0.3195

 84.9120, 0.3071,  
0.3073

# Harmonies

## Analogous

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



66.8882, 0.4505, 0.4806



66.8882, 0.3619, 0.5262



66.8882, 0.2660, 0.4939

# Triad

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



66.8882, 0.3619, 0.5262



66.8882, 0.1442, 0.2042



66.8882, 0.4424, 0.2717

# Complementary

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



66.8882, 0.3619, 0.5262



12.7727, 0.2086, 0.1110

# 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.



66.8882, 0.3340, 0.2180



66.8882, 0.3619, 0.5262



66.8882, 0.1728, 0.1794

# Square

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



66.8882, 0.3619, 0.5262



66.8882, 0.1479, 0.2701



66.8882, 0.2362, 0.1856



66.8882, 0.5110, 0.3375



# Rectangle

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



66.8882, 0.3619, 0.5262



66.8882, 0.2105, 0.4235



66.8882, 0.2362, 0.1856



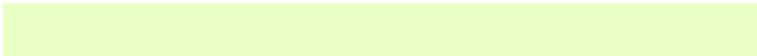
66.8882, 0.4080, 0.2520

# Sweetspot

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



66.8912, 0.3619, 0.5262



92.9241, 0.3332, 0.3894



31.2574, 0.5143, 0.3907



19.6813, 0.3364, 0.3996



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.



66.8912, 0.3619, 0.5262



80.1065, 0.3591, 0.5484



60.2521, 0.3096, 0.5631



17.3346, 0.3211, 0.3527



36.6847, 0.3564, 0.5552



2.9349, 0.3651, 0.5483



# Inverse Universe

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



12.7727, 0.2086, 0.1110



11.0277, 0.1874, 0.0842



22.3237, 0.2953, 0.1550



14.8182, 0.3037, 0.3050



4.5128, 0.1795, 0.0762



0.4073, 0.1949, 0.0847



# Previews

## White Background



This preview shows how the Yxy color 66.8882, 0.3619, 0.5262 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 66.8882, 0.3619, 0.5262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

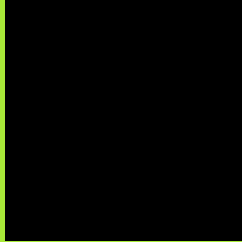
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.8882, 0.3619, 0.5262**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.8882, 0.3619, 0.5262.



This preview shows how white text looks on a background with the Yxy color 66.8882, 0.3619, 0.5262.

# 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

66.8882, 0.3619, 0.5262

### Protanopia

66.1782, 0.4318, 0.4764

### Deuteranopia

65.8509, 0.4151, 0.4120



## Tritanopia

66.3850, 0.2828, 0.3095

# Trichromacy



**Original Color**

66.8882, 0.3619, 0.5262

**Protanomaly**

65.5896, 0.4052, 0.4951

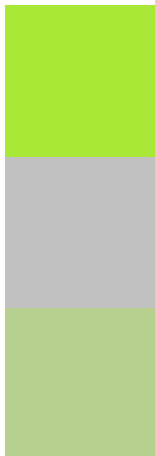
**Deuteranomaly**

65.1707, 0.3975, 0.4550

**Tritanomaly**

65.4637, 0.3179, 0.3956

# Monochromacy



**Original Color**

66.8882, 0.3619, 0.5262

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

57.2853, 0.3399, 0.4118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8882, 0.3619, 0.5262 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, 233, 56)` looks like.

```
.text, #text, p{  
    color:rgb(168, 233, 56)  
}
```

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, 233, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 233, 56) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8882, 0.3619, 0.5262 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, 233, 56) }
```

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

```
.border{ border-color:rgb(168, 233, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 233, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 233, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 233, 56);  
box-shadow:4px 4px 4px 4px rgb(168, 233,  
56) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8882, 0.3619, 0.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 233, 56) }
```

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

```
.background{ background-color: rgb(168,  
233, 56) }
```

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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