

Converting Colors

$Yxy(57.0037, 0.3703, 0.5345)$

Have a look what the booklet for
Yxy(57.0037, 0.3703, 0.5345)
contains.

Yxy(57.1930, 0.3698, 0.5349)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.1930, 0.3698, 0.5349)

Conversions

Conversions Part 1

Format	Color
Hex	A0D91E
RGB	160, 217, 30
RGB Percent	63%, 85%, 12%
CMY	0.3727, 0.1490, 0.8820
CMYK	0.26, 0.00, 0.86, 0.15
HSL	78°, 76%, 48%
HSV	78°, 86%, 85%
XYZ	39.5400, 57.1930, 10.1897
YIQ	178.6390, 26.0550, -70.2410

Conversions

Conversions Part 2

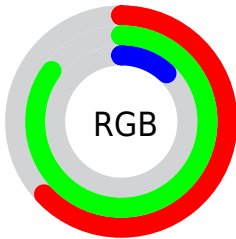
Format	Color
RYB	30, 217, 87
Decimal	10541342
CIELab	80.29, -41.78, 75.21
CIELCh	80, 86.038, 119.053
Yxy	57.1930, 0.3698, 0.5349
Android (android.graphics.Color)	4288731422 (0xFFA0D91E)
YUV	178.6390, -73.2790, -16.3464
Hunter-Lab	75.6261, -39.0193, 44.9496

Details

The Yxy color **57.1930, 0.3698, 0.5349** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.9775, 0.1857, 0.0875**, and the grayscale version is **45.2677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4431, 0.3746, 0.4879**, and **28.6654, 0.3564, 0.5552** is the 20% darker color. If you saturate the color by 10%, you get **56.4553, 0.3672, 0.5447**, and if you desaturate by 10%, it is **58.0482, 0.3700, 0.5202**.

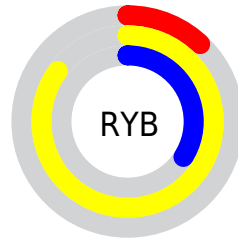
Distribution



Red (63%)

Green (85%)

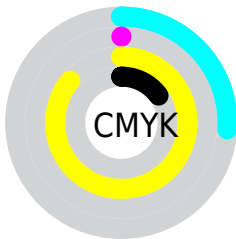
Blue (12%)



Red (12%)

Yellow (85%)

Blue (34%)

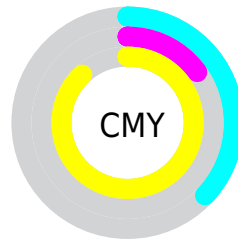


Cyan (26%)

Magenta (0%)

Yellow (86%)

Black (15%)



Cyan (37%)


Magenta (15%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1930, 0.3698, 0.5349 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 57.1930, 0.3698, 0.5349 by changing the saturation by 10% instead.

 57.1930, 0.3698,
0.5349


 57.1930, 0.3698,
0.5349


414.1721, 0.3522,
0.4350


 41.1602, 0.3701,
0.5567


 100.7467, 0.3664,
0.5006

 28.4443, 0.3681,
0.5822


 129.0365, 0.3643,
0.4870


 18.6608, 0.3619,
0.6118


 162.1807, 0.3620,
0.4753

 11.4255, 0.3503,
0.6497

 200.5637, 0.3599,
0.4651

 6.3538, 0.3196,
0.6804

 244.5700, 0.3578,
0.4562

 3.0614, 0.2723,
0.7277

 294.5839, 0.3558,

 1.1639, 0.0510,

0.4483

0.9490

350.9898, 0.3540,
0.4413

■ 0.0319, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1930, 0.3698,
0.5349

■ 57.1930, 0.3698,
0.5349

■ 56.4553, 0.3672,
0.5447

■ 58.0482, 0.3700,
0.5202

■ 56.1893, 0.3659,
0.5477

■ 59.0275, 0.3676,
0.5009

■ 60.1448, 0.3628,
0.4777

■ 61.4101, 0.3560,
0.4519

■ 62.8322, 0.3477,
0.4246

■ 64.4191, 0.3385,
0.3969

■ 66.1781, 0.3287,
0.3699

■ 68.1161, 0.3187,
0.3440

■ 70.2396, 0.3090,
0.3199

Harmonies

Analogous

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



57.1930, 0.4612, 0.4803



57.1930, 0.3698, 0.5349



57.1930, 0.2698, 0.5107

Triad

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



57.1930, 0.3698, 0.5349



57.1930, 0.1367, 0.2016



57.1930, 0.4413, 0.2639

Complementary

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



57.1930, 0.3698, 0.5349



7.9775, 0.1857, 0.0875

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.



57.1930, 0.3259, 0.2099



57.1930, 0.3698, 0.5349



57.1930, 0.1636, 0.1739

Square

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



57.1930, 0.3698, 0.5349



57.1930, 0.1427, 0.2735



57.1930, 0.2260, 0.1783



57.1930, 0.5182, 0.3308

Rectangle

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



57.1930, 0.3698, 0.5349



57.1930, 0.2108, 0.4389



57.1930, 0.2260, 0.1783



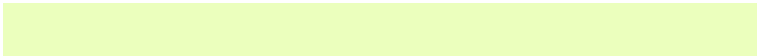
57.1930, 0.4041, 0.2439

Sweetspot

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



57.1955, 0.3698, 0.5349



92.8032, 0.3386, 0.3972



21.5312, 0.5607, 0.3750



19.6869, 0.3419, 0.4069



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.



57.1955, 0.3698, 0.5349



80.8871, 0.3654, 0.5481



50.9362, 0.3115, 0.5791



15.0541, 0.3220, 0.3524



34.0680, 0.3667, 0.5471



2.2515, 0.3755, 0.5401

Inverse Universe

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



7.9775, 0.1857, 0.0875



8.8325, 0.1691, 0.0705



15.6029, 0.2775, 0.1365



12.8089, 0.3028, 0.3052



3.7875, 0.1712, 0.0717



0.2899, 0.1890, 0.0815

Previews

White Background



This preview shows how the Yxy color 57.1930, 0.3698, 0.5349 looks on a white background.

Color Contrast Check

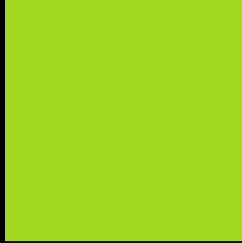
Large Text (above 18pt) WCAG AA × Fail

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 57.1930, 0.3698, 0.5349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

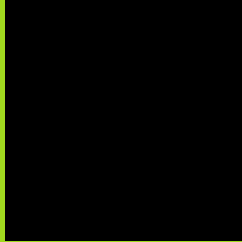
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1930, 0.3698, 0.5349

Background



This preview shows how black text looks on a background with the Yxy color 57.1930, 0.3698, 0.5349.



This preview shows how white text looks on a background with the Yxy color 57.1930, 0.3698, 0.5349.

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

57.1930, 0.3698, 0.5349

Protanopia

56.7601, 0.4379, 0.4843

Deuteranopia

56.3279, 0.4620, 0.4518



Tritanopia

57.0063, 0.2856, 0.3095

Trichromacy



Original Color

57.1930, 0.3698, 0.5349

Protanomaly

56.6347, 0.4122, 0.5037

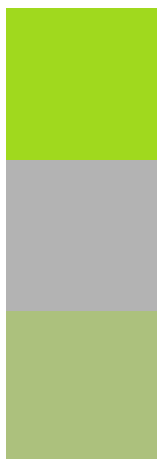
Deuteranomaly

55.7657, 0.4279, 0.4825

Tritanomaly

55.7119, 0.3265, 0.4037

Monochromacy



Original Color

57.1930, 0.3698, 0.5349

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

48.3913, 0.3465, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1930, 0.3698, 0.5349 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(160, 217, 30)` looks like.

```
.text, #text, p{  
    color:rgb(160, 217, 30)  
}
```

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(160, 217, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 217, 30) }
```

Border

The CSS property to change the border of an element to Yxy 57.1930, 0.3698, 0.5349 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(160, 217, 30) }
```

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

```
.border{ border-color:rgb(160, 217, 30) }
```

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

Here you see how a box with a 4 pixel rgb(160, 217, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 217, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 217, 30);  
box-shadow:4px 4px 4px 4px rgb(160, 217,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1930, 0.3698, 0.5349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 217, 30) }
```

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

```
.background{ background-color: rgb(160,  
217, 30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor