

Converting Colors

Yxy(58.0182, 0.3638, 0.5353)

Have a look what the booklet for
Yxy(58.0182, 0.3638, 0.5353)
contains.

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Color

Yxy(57.8709, 0.3641, 0.5349)

Conversions

Conversions Part 1

Format	Color
Hex	9CDB26
RGB	156, 219, 38
RGB Percent	61%, 86%, 15%
CMY	0.3882, 0.1412, 0.8510
CMYK	0.29, 0.00, 0.83, 0.14
HSL	81°, 72%, 50%
HSV	81°, 83%, 86%
XYZ	39.3920, 57.8709, 10.9272
YIQ	179.5290, 20.5530, -69.6470

Conversions

Conversions Part 2

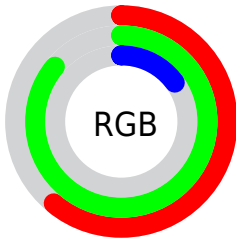
Format	Color
R _Y B	38, 219, 101
Decimal	10279718
CIE Lab	80.67, -43.88, 73.72
CIE LCh	81, 85.796, 120.761
Yxy	57.8709, 0.3641, 0.5349
Android (android.graphics.Color)	4288469798 (0xFF9CDB26)
YUV	179.5290, -69.7738, -20.6349
Hunter-Lab	76.0729, -40.6969, 44.7346

Details

The Yxy color **57.8709, 0.3641, 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 **9.2681, 0.1965, 0.0966**, and the grayscale version is **45.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9067, 0.3702, 0.4865**, and **29.1476, 0.3513, 0.5592** is the 20% darker color. If you saturate the color by 10%, you get **57.0344, 0.3617, 0.5470**, and if you desaturate by 10%, it is **58.8433, 0.3641, 0.5177**.

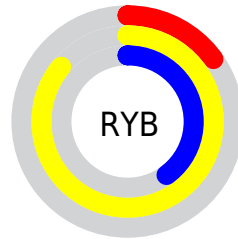
Distribution



Red (61%)

Green (86%)

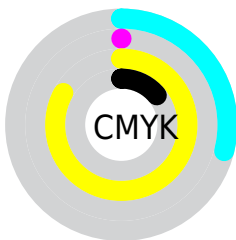
Blue (15%)



Red (15%)

Yellow (86%)

Blue (40%)

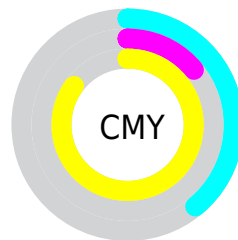


Cyan (29%)

Magenta (0%)

Yellow (83%)

Black (14%)



Cyan (39%)


Magenta (14%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8709, 0.3641, 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 57.8709, 0.3641, 0.5349 by changing the saturation by 10% instead.

 57.8709, 0.3641,
0.5349


 57.8709, 0.3641,
0.5349

416.7047, 0.3489,
0.4344

 41.7049, 0.3640,
0.5571

 101.7348, 0.3615,
0.5001


 28.8703, 0.3616,
0.5834


 130.2015, 0.3596,
0.4865

 18.9827, 0.3551,
0.6141


 163.5372, 0.3577,
0.4747

 11.6578, 0.3441,
0.6559

 202.1263, 0.3557,
0.4644

 6.5111, 0.3124,
0.6876

 246.3532, 0.3539,
0.4555

 3.1583, 0.2638,
0.7362

 296.6023, 0.3521,

 1.2149, 0.0404,

0.4476

0.9596

353.2580, 0.3505,
0.4406

■ 0.0738, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8709, 0.3641,
0.5349

■ 57.8709, 0.3641,
0.5349

■ 57.0344, 0.3617,
0.5470


■ 58.8433, 0.3641,
0.5177


■ 56.4849, 0.3588,
0.5533


■ 59.9574, 0.3615,
0.4961

■ 61.2272, 0.3568,
0.4710


■ 62.6626, 0.3502,
0.4438

 64.2727, 0.3422,
0.4157

 66.0655, 0.3335,
0.3878

 68.0488, 0.3243,
0.3608

 70.2296, 0.3151,
0.3354

 72.6145, 0.3061,
0.3119

Harmonies

Analogous

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



57.8709, 0.4560, 0.4838



57.8709, 0.3641, 0.5349



57.8709, 0.2648, 0.5047

Triad

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



57.8709, 0.3641, 0.5349



57.8709, 0.1382, 0.1998



57.8709, 0.4464, 0.2679

Complementary

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



57.8709, 0.3641, 0.5349



9.2681, 0.1965, 0.0966

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.



57.8709, 0.3324, 0.2130



57.8709, 0.3641, 0.5349



57.8709, 0.1669, 0.1741

Square

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



57.8709, 0.3641, 0.5349



57.8709, 0.1423, 0.2684



57.8709, 0.2312, 0.1802



57.8709, 0.5191, 0.3350

Rectangle

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



57.8709, 0.3641, 0.5349



57.8709, 0.2071, 0.4308



57.8709, 0.2312, 0.1802



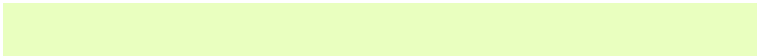
57.8709, 0.4101, 0.2477

Sweetspot

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



57.8735, 0.3641, 0.5349



92.5843, 0.3358, 0.3949



23.9993, 0.5422, 0.3831



19.6236, 0.3389, 0.4048



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.



57.8735, 0.3641, 0.5349



79.7551, 0.3587, 0.5530



52.0404, 0.3102, 0.5749



15.0253, 0.3214, 0.3525



33.5544, 0.3596, 0.5526



2.2211, 0.3695, 0.5448

Inverse Universe

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



9.2681, 0.1965, 0.0966



9.4702, 0.1758, 0.0745



17.2992, 0.2862, 0.1438



12.8365, 0.3035, 0.3052



4.0044, 0.1770, 0.0749



0.3064, 0.1953, 0.0849

Previews

White Background



This preview shows how the Yxy color 57.8709, 0.3641, 0.5349 looks on a white background.

Color Contrast Check

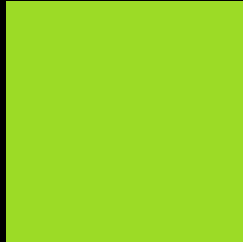
Large Text (above 18pt) WCAG AA × Fail

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 57.8709, 0.3641, 0.5349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

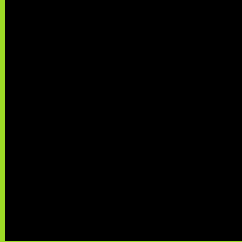
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8709, 0.3641, 0.5349

Background



This preview shows how black text looks on a background with the Yxy color 57.8709, 0.3641, 0.5349.



This preview shows how white text looks on a background with the Yxy color 57.8709, 0.3641, 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

57.8709, 0.3641, 0.5349

Protanopia

57.4259, 0.4361, 0.4818

Deuteranopia

56.9950, 0.4597, 0.4493



Tritanopia

57.5831, 0.2817, 0.3095

Trichromacy



Original Color

57.8709, 0.3641, 0.5349

Protanomaly

57.0264, 0.4087, 0.5019

Deuteranomaly

56.1292, 0.4241, 0.4806

Tritanomaly

56.3690, 0.3204, 0.4014

Monochromacy



Original Color

57.8709, 0.3641, 0.5349

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.8000, 0.3431, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8709, 0.3641, 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(156, 219, 38)` looks like.

```
.text, #text, p{  
    color:rgb(156, 219, 38)  
}
```

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(156, 219, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 219, 38) }
```

Border

The CSS property to change the border of an element to Yxy 57.8709, 0.3641, 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(156, 219, 38) }
```

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

```
.border{ border-color:rgb(156, 219, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 219, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 219, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 219, 38);  
box-shadow:4px 4px 4px 4px rgb(156, 219,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8709, 0.3641, 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(156, 219, 38) }
```

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

```
.background{ background-color: rgb(156,  
219, 38) }
```

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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