

Converting Colors

$Y_{xy}(57.2554, 0.3444, 0.5647)$

Have a look what the booklet for
Yxy(57.2554, 0.3444, 0.5647)
contains.

| | |
|---|----|
| Yxy(57.1353, 0.3444, 0.5647) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(57.1353, 0.3444, 0.5647)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7DDF00 |
| RGB | 125, 223, 0 |
| RGB Percent | 49%, 87%, 0% |
| CMY | 0.5098, 0.1255, 0.9991 |
| CMYK | 0.44, 0.00, 1.00, 0.13 |
| HSL | 86°, 100%, 44% |
| HSV | 86°, 100%, 87% |
| XYZ | 34.8458, 57.1353, 9.1971 |
| YIQ | 168.2760, 13.1750, -90.1290 |

Conversions

Conversions Part 2

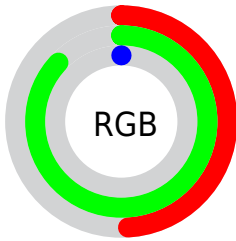
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 223, 98 |
| Decimal | 8249088 |
| CIELab | 80.26, -57.04, 78.21 |
| CIELCh | 80, 96.797, 126.106 |
| Yxy | 57.1353, 0.3444, 0.5647 |
| Android (android.graphics.Color) | 4286439168 (0xFF7DDF00) |
| YUV | 168.2760, -82.9601, -37.9531 |
| Hunter-Lab | 75.5879, -49.9909, 45.6975 |

Details

The Yxy color **57.1353, 0.3444, 0.5647** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **7.9419, 0.1901, 0.0821**, and the grayscale version is **39.7254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5224, 0.3550, 0.5096**, and **28.6295, 0.3208, 0.5835** is the 20% darker color. If you saturate the color by 10%, you get **57.1301, 0.3443, 0.5648**, and if you desaturate by 10%, it is **57.9724, 0.3492, 0.5546**.

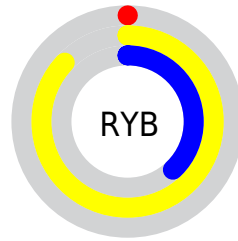
Distribution



Red (49%)

Green (87%)

Blue (0%)



Red (0%)

Yellow (87%)

Blue (38%)

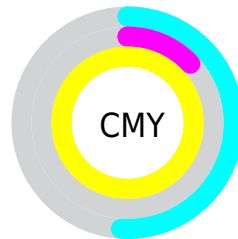


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (51%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1353, 0.3444, 0.5647 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 57.1353, 0.3444, 0.5647 by changing the saturation by 10% instead.


 57.1353, 0.3444,
0.5647

 57.1353, 0.3444,
0.5647


413.9561, 0.3412,
0.4478


 41.1139, 0.3407,
0.5908

 100.6626, 0.3466,
0.5240

 28.4081, 0.3335,
0.6215


 128.9372, 0.3464,
0.5081


 18.6335, 0.3207,
0.6584


 162.0651, 0.3458,
0.4944


 11.4058, 0.2983,
0.7017

 200.4305, 0.3450,
0.4825

 6.3404, 0.2570,
0.7430

 244.4179, 0.3441,
0.4721

 3.0532, 0.1949,
0.8051

 294.4118, 0.3431,

 1.1596, 0.0000,

0.4630

1.0000

350.7963, 0.3421,
0.4550

■ 0.0283, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1353, 0.3444,
0.5647

■ 57.1353, 0.3444,
0.5647

■ 57.1301, 0.3443,
0.5648

■ 57.9724, 0.3492,
0.5546

■ 58.9507, 0.3522,
0.5397

■ 60.0963, 0.3528,
0.5195

■ 61.4238, 0.3511,
0.4950

■ 62.9454, 0.3473,
0.4675

■ 64.6723, 0.3419,
0.4385

■ 66.6143, 0.3353,
0.4093

■ 68.7808, 0.3280,
0.3808

■ 71.1804, 0.3203,
0.3538

Harmonies

Analogous

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



57.1353, 0.4492, 0.5096



57.1353, 0.3444, 0.5647



57.1353, 0.2376, 0.5134

Triad

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



57.1353, 0.3444, 0.5647



57.1353, 0.1253, 0.1776



57.1353, 0.4835, 0.2721

Complementary

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



57.1353, 0.3444, 0.5647



7.9419, 0.1901, 0.0821

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.



57.1353, 0.3570, 0.2103



57.1353, 0.3444, 0.5647



57.1353, 0.1619, 0.1583

Square

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



57.1353, 0.3444, 0.5647



57.1353, 0.1224, 0.2410



57.1353, 0.2385, 0.1705



57.1353, 0.5496, 0.3444

Rectangle

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



57.1353, 0.3444, 0.5647



57.1353, 0.1793, 0.4178



57.1353, 0.2385, 0.1705



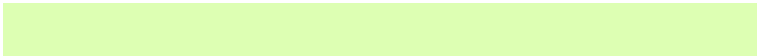
57.1353, 0.4447, 0.2497

Sweetspot

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



57.1378, 0.3444, 0.5647



90.1811, 0.3355, 0.4102



24.1940, 0.5619, 0.3919



19.0563, 0.3384, 0.4226



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.



57.1378, 0.3444, 0.5647



77.3438, 0.3439, 0.5652



52.8801, 0.3012, 0.5990



15.7139, 0.3200, 0.3526



33.6583, 0.3454, 0.5640



2.3858, 0.3563, 0.5553

Inverse Universe

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



7.9419, 0.1901, 0.0821



10.6764, 0.1893, 0.0816



18.7646, 0.3041, 0.1449



13.5368, 0.3049, 0.3053



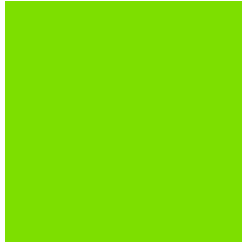
4.7272, 0.1915, 0.0829



0.3800, 0.2088, 0.0924

Previews

White Background



This preview shows how the Yxy color 57.1353, 0.3444, 0.5647 looks on a white background.

Color Contrast Check

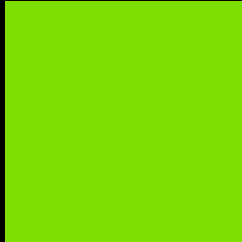
Large Text (above 18pt) WCAG AA × Fail

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 57.1353, 0.3444, 0.5647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

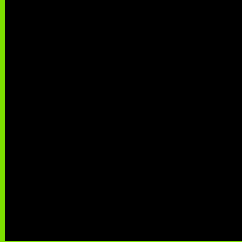
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

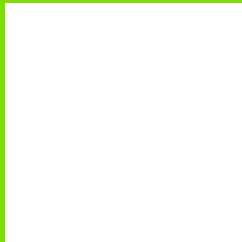
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1353, 0.3444, 0.5647

Background



This preview shows how black text looks on a background with the Yxy color 57.1353, 0.3444, 0.5647.



This preview shows how white text looks on a background with the Yxy color 57.1353, 0.3444, 0.5647.

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

57.1353, 0.3444, 0.5647

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

56.2956, 0.4634, 0.4535



Tritanopia

56.6829, 0.2643, 0.3076

Trichromacy



Original Color

57.1353, 0.3444, 0.5647

Protanomaly

55.1904, 0.4023, 0.5187

Deuteranomaly

54.6994, 0.4183, 0.4972

Tritanomaly

55.3225, 0.3075, 0.4262

Monochromacy



Original Color

57.1353, 0.3444, 0.5647

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

43.7034, 0.3432, 0.4466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1353, 0.3444, 0.5647 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(125, 223, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 223, 0)  
}
```

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(125, 223, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 223, 0) }
```

Border

The CSS property to change the border of an element to Yxy 57.1353, 0.3444, 0.5647 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(125, 223, 0) }
```

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

```
.border{ border-color:rgb(125, 223, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 223, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 223, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 223, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 223,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1353, 0.3444, 0.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 223, 0) }
```

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

```
.background{ background-color: rgb(125,  
223, 0) }
```

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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