

Converting Colors

Yxy(60.8643, 0.3443, 0.5648)

Have a look what the booklet for
Yxy(60.8643, 0.3443, 0.5648)
contains.

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Color

Yxy(60.7057, 0.3447, 0.5645)

Conversions

Conversions Part 1

Format	Color
Hex	81E500
RGB	129, 229, 0
RGB Percent	51%, 90%, 0%
CMY	0.4943, 0.1019, 0.9998
CMYK	0.44, 0.00, 1.00, 0.10
HSL	86°, 100%, 45%
HSV	86°, 100%, 90%
XYZ	37.0687, 60.7057, 9.7645
YIQ	172.9940, 13.9090, -92.4190

Conversions

Conversions Part 2

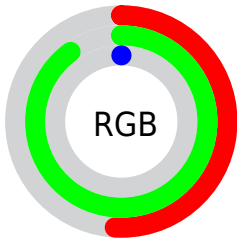
Format	Color
RYB	0, 229, 100
Decimal	8512768
CIELab	82.22, -58.06, 79.82
CIELCh	82, 98.703, 126.028
Yxy	60.7057, 0.3447, 0.5645
Android (android.graphics.Color)	4286702848 (0xFF81E500)
YUV	172.9940, -85.2860, -38.5827
Hunter-Lab	77.9139, -51.4253, 47.1092

Details

The Yxy color **60.7057, 0.3447, 0.5645** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **8.3745, 0.1894, 0.0817**, and the grayscale version is **42.2250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0434, 0.3573, 0.5072**, and **31.0110, 0.3218, 0.5827** is the 20% darker color. If you saturate the color by 10%, you get **60.7061, 0.3447, 0.5645**, and if you desaturate by 10%, it is **61.5921, 0.3495, 0.5546**.

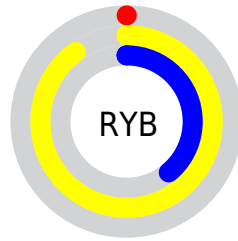
Distribution



Red (51%)

Green (90%)

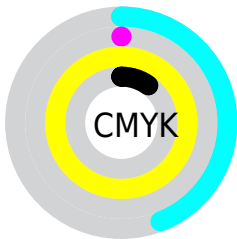
Blue (0%)



Red (0%)

Yellow (90%)

Blue (39%)

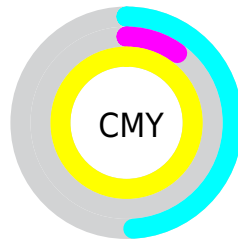


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (49%)


Magenta (10%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7057, 0.3447, 0.5645 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 60.7057, 0.3447, 0.5645 by changing the saturation by 10% instead.


 60.7057, 0.3447,
0.5645


 60.7057, 0.3447,
0.5645


 427.1941, 0.3415,
0.4489


 43.9877, 0.3411,
0.5899


 105.8527, 0.3468,
0.5246


 30.6608, 0.3342,
0.6199


 135.0505, 0.3467,
0.5088

 20.3407, 0.3219,
0.6551


 169.1770, 0.3461,
0.4953

 12.6430, 0.3015,
0.6985

 208.6166, 0.3453,
0.4835

 7.1832, 0.2624,
0.7376

 253.7537, 0.3444,
0.4732

 3.5769, 0.2052,
0.7948

 304.9728, 0.3434,

 1.4398, 0.0000,

0.4641

1.0000

362.6581, 0.3425,
0.4561

■ 0.2458, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.7057, 0.3447,
0.5645

■ 60.7057, 0.3447,
0.5645

■ 60.7061, 0.3447,
0.5645

■ 61.5921, 0.3495,
0.5546

■ 62.6276, 0.3525,
0.5397

■ 63.8401, 0.3531,
0.5197

■ 65.2450, 0.3514,
0.4952

■ 66.8555, 0.3476,
0.4678

■ 68.6833, 0.3422,
0.4388

■ 70.7390, 0.3355,
0.4096

■ 73.0325, 0.3282,
0.3811

■ 75.5730, 0.3205,
0.3540

Harmonies

Analogous

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



60.7057, 0.4494, 0.5094



60.7057, 0.3447, 0.5645



60.7057, 0.2379, 0.5135

Triad

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



60.7057, 0.3447, 0.5645



60.7057, 0.1254, 0.1778



60.7057, 0.4831, 0.2719

Complementary

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



60.7057, 0.3447, 0.5645



8.3745, 0.1894, 0.0817

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.



60.7057, 0.3567, 0.2102



60.7057, 0.3447, 0.5645



60.7057, 0.1619, 0.1584

Square

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



60.7057, 0.3447, 0.5645



60.7057, 0.1225, 0.2413



60.7057, 0.2382, 0.1705



60.7057, 0.5494, 0.3442

Rectangle

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



60.7057, 0.3447, 0.5645



60.7057, 0.1796, 0.4181



60.7057, 0.2382, 0.1705



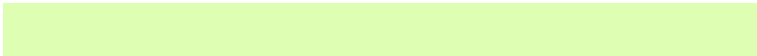
60.7057, 0.4443, 0.2496

Sweetspot

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



60.7083, 0.3447, 0.5645



90.2164, 0.3357, 0.4101



25.6351, 0.5623, 0.3917



19.0647, 0.3386, 0.4225



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.



60.7083, 0.3447, 0.5645



77.4106, 0.3443, 0.5648



56.1483, 0.3011, 0.5991



16.4874, 0.3201, 0.3527



34.7780, 0.3457, 0.5637



2.6247, 0.3561, 0.5555

Inverse Universe

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



8.3745, 0.1894, 0.0817



10.6275, 0.1888, 0.0813



19.9170, 0.3040, 0.1449



14.1937, 0.3048, 0.3052



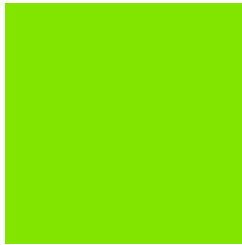
4.8542, 0.1909, 0.0825



0.4129, 0.2073, 0.0915

Previews

White Background



This preview shows how the Yxy color 60.7057, 0.3447, 0.5645 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 60.7057, 0.3447, 0.5645 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 60.7057, 0.3447, 0.5645

Background



This preview shows how black text looks on a background with the Yxy color 60.7057, 0.3447, 0.5645.



This preview shows how white text looks on a background with the Yxy color 60.7057, 0.3447, 0.5645.

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

60.7057, 0.3447, 0.5645

Protanopia

59.8437, 0.4402, 0.4887

Deuteranopia

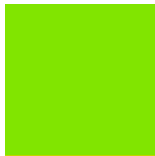
59.6758, 0.4601, 0.4501



Tritanopia

60.3696, 0.2643, 0.3081

Trichromacy



Original Color

60.7057, 0.3447, 0.5645



Protanomaly

58.9260, 0.4028, 0.5184



Deuteranomaly

57.8193, 0.4171, 0.4956



Tritanomaly

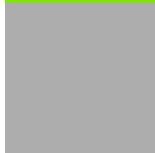
58.8494, 0.3081, 0.4279

Monochromacy



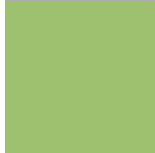
Original Color

60.7057, 0.3447, 0.5645



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.4338, 0.3440, 0.4463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7057, 0.3447, 0.5645 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(129, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 229, 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(129, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.7057, 0.3447, 0.5645 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(129, 229, 0) }
```

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

```
.border{ border-color:rgb(129, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 229,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7057, 0.3447, 0.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 229, 0) }
```

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

```
.background{ background-color: rgb(129,  
229, 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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