

Converting Colors

Yxy(64.7927, 0.3500, 0.5603)

Have a look what the booklet for
Yxy(64.7927, 0.3500, 0.5603)
contains.

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Color

Yxy(64.9921, 0.3496, 0.5606)

Conversions

Conversions Part 1

Format	Color
Hex	8CEB00
RGB	140, 235, 0
RGB Percent	55%, 92%, 0%
CMY	0.4508, 0.0784, 0.9996
CMYK	0.40, 0.00, 1.00, 0.08
HSL	84°, 100%, 46%
HSV	84°, 100%, 92%
XYZ	40.5302, 64.9921, 10.4108
YIQ	179.8050, 18.8150, -93.2250

Conversions

Conversions Part 2

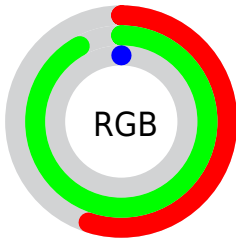
Format	Color
RYB	0, 235, 95
Decimal	9235200
CIELab	84.48, -56.76, 81.79
CIELCh	84, 99.552, 124.760
Yxy	64.9921, 0.3496, 0.5606
Android (android.graphics.Color)	4287425280 (0xFF8CEB00)
YUV	179.8050, -88.6439, -34.9090
Hunter-Lab	80.6177, -51.3408, 48.7758

Details

The Yxy color **64.9921, 0.3496, 0.5606** 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 **8.4363, 0.1837, 0.0786**, and the grayscale version is **46.0233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5206, 0.3644, 0.5018**, and **33.4605, 0.3288, 0.5771** is the 20% darker color. If you saturate the color by 10%, you get **64.9908, 0.3496, 0.5606**, and if you desaturate by 10%, it is **65.9206, 0.3542, 0.5511**.

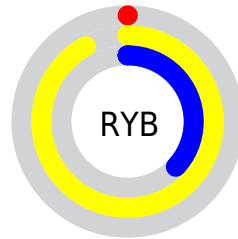
Distribution



Red (55%)

Green (92%)

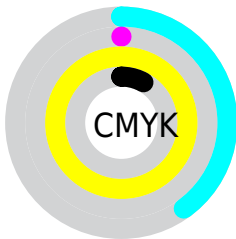
Blue (0%)



Red (0%)

Yellow (92%)

Blue (37%)

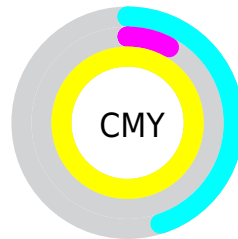


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (45%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9921, 0.3496, 0.5606 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 64.9921, 0.3496, 0.5606 by changing the saturation by 10% instead.


 64.9921, 0.3496,
0.5606


 64.9921, 0.3496,
0.5606


442.7636, 0.3441,
0.4489


 47.4547, 0.3467,
0.5847


 112.0385, 0.3509,
0.5224

 33.3952, 0.3409,
0.6129


 142.3163, 0.3504,
0.5072


 22.4294, 0.3299,
0.6456


 177.6096, 0.3496,
0.4941

 14.1728, 0.3127,
0.6873

 218.3029, 0.3486,
0.4827

 8.2409, 0.2774,
0.7226

 264.7805, 0.3475,
0.4726

 4.2495, 0.2260,
0.7740

 317.4269, 0.3464,

 1.8141, 0.0707,

0.4638

0.9293

376.6265, 0.3452,
0.4559

■ 0.4959, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9921, 0.3496,
0.5606

■ 64.9921, 0.3496,
0.5606

■ 64.9908, 0.3496,
0.5606

■ 65.9206, 0.3542,
0.5511

■ 66.9969, 0.3568,
0.5368

■ 68.2499, 0.3570,
0.5173

■ 69.6955, 0.3548,
0.4935

■ 71.3474, 0.3504,
0.4666

■ 73.2176, 0.3444,
0.4381

■ 75.3171, 0.3372,
0.4092

■ 77.6559, 0.3293,
0.3809

■ 80.2434, 0.3210,
0.3540

Harmonies

Analogous

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



64.9921, 0.4526, 0.5045



64.9921, 0.3496, 0.5606



64.9921, 0.2434, 0.5152

Triad

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



64.9921, 0.3496, 0.5606



64.9921, 0.1264, 0.1812



64.9921, 0.4763, 0.2699

Complementary

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



64.9921, 0.3496, 0.5606



8.4363, 0.1837, 0.0786

Split Complementary

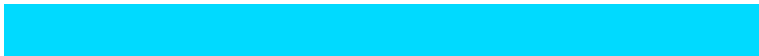
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.9921, 0.3507, 0.2094



64.9921, 0.3496, 0.5606



64.9921, 0.1612, 0.1602

Square

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



64.9921, 0.3496, 0.5606



64.9921, 0.1251, 0.2466



64.9921, 0.2351, 0.1710



64.9921, 0.5454, 0.3415

Rectangle

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



64.9921, 0.3496, 0.5606



64.9921, 0.1845, 0.4234



64.9921, 0.2351, 0.1710



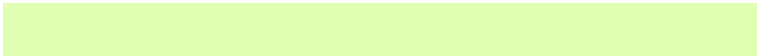
64.9921, 0.4373, 0.2479

Sweetspot

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



64.9949, 0.3496, 0.5606



90.6141, 0.3374, 0.4097



25.6789, 0.5721, 0.3839



19.1591, 0.3405, 0.4219



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.



64.9949, 0.3496, 0.5606



78.1880, 0.3493, 0.5609



59.6044, 0.3020, 0.5984



17.3058, 0.3206, 0.3527



36.2478, 0.3506, 0.5598



2.9022, 0.3599, 0.5524

Inverse Universe

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



8.4363, 0.1837, 0.0786



10.1081, 0.1832, 0.0783



19.9245, 0.2955, 0.1402



14.8461, 0.3043, 0.3051



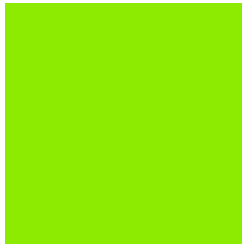
4.7619, 0.1853, 0.0794



0.4287, 0.2008, 0.0880

Previews

White Background



This preview shows how the Yxy color 64.9921, 0.3496, 0.5606 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 64.9921, 0.3496, 0.5606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

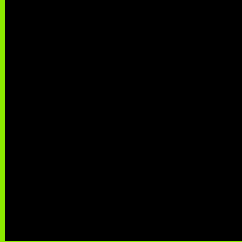
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

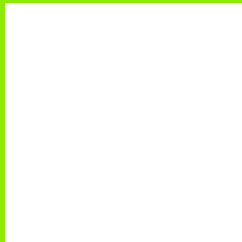
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.9921, 0.3496, 0.5606

Background



This preview shows how black text looks on a background with the Yxy color 64.9921, 0.3496, 0.5606.



This preview shows how white text looks on a background with the Yxy color 64.9921, 0.3496, 0.5606.

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

64.9921, 0.3496, 0.5606

Protanopia

63.9261, 0.4404, 0.4885

Deuteranopia

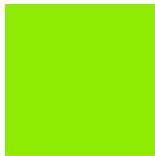
64.0328, 0.4288, 0.4249



Tritanopia

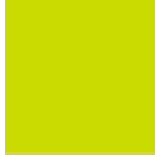
64.4144, 0.2681, 0.3076

Trichromacy



Original Color

64.9921, 0.3496, 0.5606



Protanomaly

63.0805, 0.4048, 0.5168



Deuteranomaly

62.1280, 0.4056, 0.4826



Tritanomaly

62.6814, 0.3128, 0.4256

Monochromacy



Original Color

64.9921, 0.3496, 0.5606



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.5457, 0.3453, 0.4445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9921, 0.3496, 0.5606 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(140, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 235, 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(140, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 235, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.9921, 0.3496, 0.5606 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(140, 235, 0) }
```

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

```
.border{ border-color:rgb(140, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 235,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9921, 0.3496, 0.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 235, 0) }
```

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

```
.background{ background-color: rgb(140,  
235, 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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