

Converting Colors

$Yxy(60.0581, 0.3495, 0.5607)$

Have a look what the booklet for
Yxy(60.0581, 0.3495, 0.5607)
contains.

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Color

Yxy(60.0891, 0.3495, 0.5607)

Conversions

Conversions Part 1

Format	Color
Hex	87E300
RGB	135, 227, 0
RGB Percent	53%, 89%, 0%
CMY	0.4708, 0.1098, 1.0000
CMYK	0.41, 0.00, 1.00, 0.11
HSL	84°, 100%, 45%
HSV	84°, 100%, 89%
XYZ	37.4552, 60.0891, 9.6237
YIQ	173.6140, 18.0350, -90.1010

Conversions

Conversions Part 2

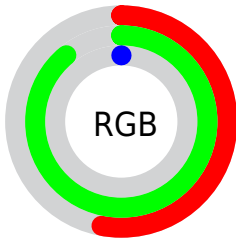
Format	Color
RYB	0, 227, 92
Decimal	8905472
CIELab	81.89, -55.35, 79.68
CIELCh	82, 97.020, 124.786
Yxy	60.0891, 0.3495, 0.5607
Android (android.graphics.Color)	4287095552 (0xFF87E300)
YUV	173.6140, -85.5917, -33.8645
Hunter-Lab	77.5172, -49.4063, 46.9012

Details

The Yxy color **60.0891, 0.3495, 0.5607** 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 **7.8258, 0.1841, 0.0788**, and the grayscale version is **42.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8267, 0.3614, 0.5047**, and **30.5423, 0.3276, 0.5781** is the 20% darker color. If you saturate the color by 10%, you get **60.0913, 0.3495, 0.5607**, and if you desaturate by 10%, it is **60.9491, 0.3540, 0.5511**.

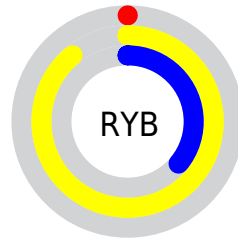
Distribution



Red (53%)

Green (89%)

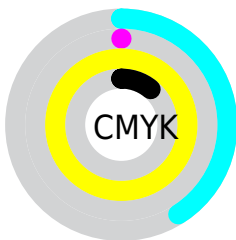
Blue (0%)



Red (0%)

Yellow (89%)

Blue (36%)

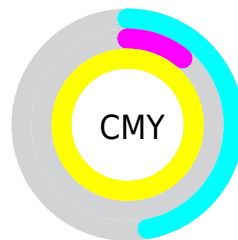


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (47%)


Magenta (11%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.0891, 0.3495, 0.5607 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 60.0891, 0.3495, 0.5607 by changing the saturation by 10% instead.


 60.0891, 0.3495,
0.5607


 60.0891, 0.3495,
0.5607


 424.9261, 0.3438,
0.4473

 43.4905, 0.3465,
0.5855


 104.9589, 0.3508,
0.5216


 30.2701, 0.3403,
0.6147


 133.9989, 0.3503,
0.5062


 20.0437, 0.3288,
0.6490


 167.9547, 0.3494,
0.4929

 12.4268, 0.3093,
0.6907

 207.2108, 0.3484,
0.4813

 7.0351, 0.2714,
0.7286

 252.1516, 0.3472,
0.4712

 3.4840, 0.2154,
0.7846

 303.1615, 0.3461,

 1.3894, 0.0000,

0.4623

1.0000

360.6249, 0.3449,
0.4544

■ 0.2089, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.0891, 0.3495,
0.5607

■ 60.0891, 0.3495,
0.5607

■ 60.0913, 0.3495,
0.5607

■ 60.9491, 0.3540,
0.5511

■ 61.9453, 0.3566,
0.5367

■ 63.1049, 0.3568,
0.5172

■ 64.4424, 0.3546,
0.4934

■ 65.9705, 0.3503,
0.4665

■ 67.7002, 0.3443,
0.4380

■ 69.6416, 0.3371,
0.4092

■ 71.8039, 0.3292,
0.3809

■ 74.1958, 0.3210,
0.3540

Harmonies

Analogous

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



60.0891, 0.4526, 0.5046



60.0891, 0.3495, 0.5607



60.0891, 0.2432, 0.5152

Triad

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



60.0891, 0.3495, 0.5607



60.0891, 0.1263, 0.1811



60.0891, 0.4764, 0.2699

Complementary

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



60.0891, 0.3495, 0.5607



7.8258, 0.1841, 0.0788

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.



60.0891, 0.3508, 0.2094



60.0891, 0.3495, 0.5607



60.0891, 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.



60.0891, 0.3495, 0.5607



60.0891, 0.1250, 0.2465



60.0891, 0.2352, 0.1710



60.0891, 0.5455, 0.3416

Rectangle

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



60.0891, 0.3495, 0.5607



60.0891, 0.1844, 0.4233



60.0891, 0.2352, 0.1710



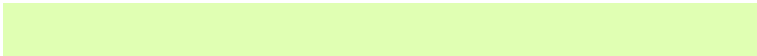
60.0891, 0.4375, 0.2480

Sweetspot

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



60.0917, 0.3495, 0.5607



90.5980, 0.3373, 0.4097



23.7827, 0.5719, 0.3841



19.1553, 0.3404, 0.4220



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.



60.0917, 0.3495, 0.5607



78.1556, 0.3491, 0.5610



55.1234, 0.3020, 0.5984



16.5105, 0.3205, 0.3527



35.1111, 0.3505, 0.5599



2.6485, 0.3603, 0.5521

Inverse Universe

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



7.8258, 0.1841, 0.0788



10.1280, 0.1835, 0.0784



18.4284, 0.2955, 0.1402



14.1710, 0.3043, 0.3052



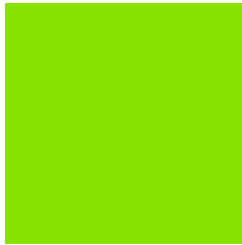
4.6272, 0.1856, 0.0796



0.3950, 0.2020, 0.0886

Previews

White Background



This preview shows how the Yxy color 60.0891, 0.3495, 0.5607 looks on a white background.

Color Contrast Check

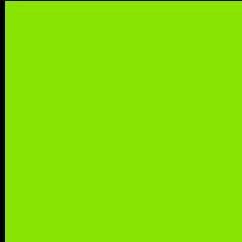
Large Text (above 18pt) WCAG AA × Fail

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 60.0891, 0.3495, 0.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

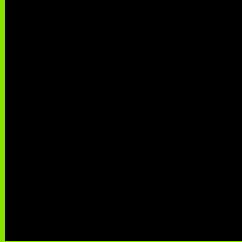
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

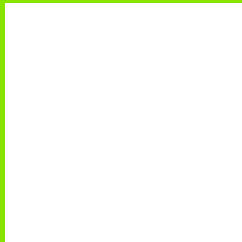
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.0891, 0.3495, 0.5607

Background



This preview shows how black text looks on a background with the Yxy color 60.0891, 0.3495, 0.5607.



This preview shows how white text looks on a background with the Yxy color 60.0891, 0.3495, 0.5607.

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

60.0891, 0.3495, 0.5607

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

59.1487, 0.4644, 0.4535



Tritanopia

59.7670, 0.2681, 0.3081

Trichromacy



Original Color

60.0891, 0.3495, 0.5607



Protanomaly

58.5563, 0.4044, 0.5171



Deuteranomaly

57.6002, 0.4209, 0.4956



Tritanomaly

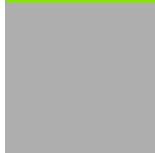
58.3454, 0.3129, 0.4259

Monochromacy



Original Color

60.0891, 0.3495, 0.5607



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.7612, 0.3459, 0.4439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0891, 0.3495, 0.5607 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(135, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 227, 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(135, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.0891, 0.3495, 0.5607 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(135, 227, 0) }
```

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

```
.border{ border-color:rgb(135, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(135, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 227,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0891, 0.3495, 0.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 227, 0) }
```

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

```
.background{ background-color: rgb(135,  
227, 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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