

Converting Colors

Yxy(59.7819, 0.3529, 0.5580)

Have a look what the booklet for
Yxy(59.7819, 0.3529, 0.5580)
contains.

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Color

Yxy(59.8817, 0.3527, 0.5581)

Conversions

Conversions Part 1

Format	Color
Hex	8BE200
RGB	139, 226, 0
RGB Percent	55%, 89%, 0%
CMY	0.4550, 0.1137, 0.9989
CMYK	0.39, 0.00, 1.00, 0.11
HSL	83°, 100%, 44%
HSV	83°, 100%, 89%
XYZ	37.8432, 59.8817, 9.5708
YIQ	174.2230, 20.6940, -88.7300

Conversions

Conversions Part 2

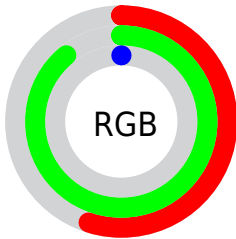
Format	Color
RYB	0, 226, 87
Decimal	9167360
CIELab	81.77, -53.60, 79.65
CIELCh	82, 96.008, 123.940
Yxy	59.8817, 0.3527, 0.5581
Android (android.graphics.Color)	4287357440 (0xFF8BE200)
YUV	174.2230, -85.8919, -30.8906
Hunter-Lab	77.3833, -48.1279, 46.8353

Details

The Yxy color **59.8817, 0.3527, 0.5581** 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 **7.5377, 0.1810, 0.0771**, and the grayscale version is **42.9068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3502, 0.3645, 0.5037**, and **30.3692, 0.3316, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **59.8746, 0.3526, 0.5582**, and if you desaturate by 10%, it is **60.7251, 0.3570, 0.5487**.

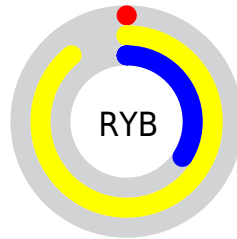
Distribution



Red (55%)

Green (89%)

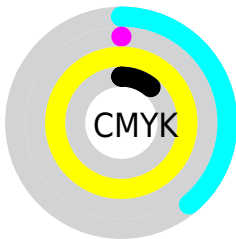
Blue (0%)



Red (0%)

Yellow (89%)

Blue (34%)

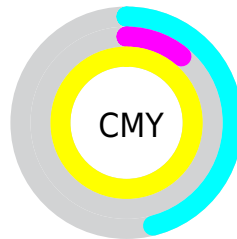


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (46%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8817, 0.3527, 0.5581 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 59.8817, 0.3527, 0.5581 by changing the saturation by 10% instead.


 59.8817, 0.3527,
0.5581

 59.8817, 0.3527,
0.5581


424.1616, 0.3454,
0.4463

 43.3233, 0.3501,
0.5825


 104.6580, 0.3534,
0.5196

 30.1389, 0.3444,
0.6111


 133.6448, 0.3526,
0.5044


 19.9440, 0.3336,
0.6447


 167.5430, 0.3516,
0.4913


 12.3543, 0.3148,
0.6852

 206.7373, 0.3504,
0.4799

 6.9855, 0.2778,
0.7222

 251.6118, 0.3491,
0.4699

 3.4530, 0.2229,
0.7771

 302.5512, 0.3479,

 1.3726, 0.0000,

0.4611

1.0000

359.9396, 0.3466,
0.4533

■ 0.1964, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8817, 0.3527,
0.5581

■ 59.8817, 0.3527,
0.5581

■ 59.8746, 0.3526,
0.5582

■ 60.7251, 0.3570,
0.5487

■ 61.6981, 0.3593,
0.5345

■ 62.8268, 0.3592,
0.5153

■ 64.1256, 0.3566,
0.4919

65.6065, 0.3519,
0.4654

67.2803, 0.3456,
0.4372

69.1568, 0.3380,
0.4085

71.2450, 0.3298,
0.3805

73.5531, 0.3212,
0.3537

Harmonies

Analogous

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



59.8817, 0.4546, 0.5015



59.8817, 0.3527, 0.5581



59.8817, 0.2469, 0.5162

Triad

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



59.8817, 0.3527, 0.5581



59.8817, 0.1270, 0.1834



59.8817, 0.4719, 0.2686

Complementary

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



59.8817, 0.3527, 0.5581



7.5377, 0.1810, 0.0771

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.



59.8817, 0.3469, 0.2088



59.8817, 0.3527, 0.5581



59.8817, 0.1607, 0.1614

Square

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



59.8817, 0.3527, 0.5581



59.8817, 0.1268, 0.2500



59.8817, 0.2332, 0.1713



59.8817, 0.5429, 0.3398

Rectangle

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



59.8817, 0.3527, 0.5581



59.8817, 0.1876, 0.4267



59.8817, 0.2332, 0.1713



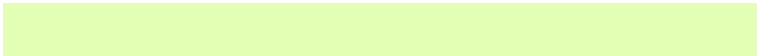
59.8817, 0.4329, 0.2468

Sweetspot

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



59.8843, 0.3527, 0.5581



90.8440, 0.3383, 0.4095



22.9551, 0.5762, 0.3805



19.2139, 0.3416, 0.4216



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.



59.8843, 0.3527, 0.5581



78.6576, 0.3522, 0.5585



54.6243, 0.3026, 0.5979



15.7520, 0.3208, 0.3526



34.2268, 0.3536, 0.5574



2.4235, 0.3637, 0.5494

Inverse Universe

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



7.5377, 0.1810, 0.0771



9.8336, 0.1803, 0.0767



17.7313, 0.2913, 0.1379



13.4996, 0.3041, 0.3052



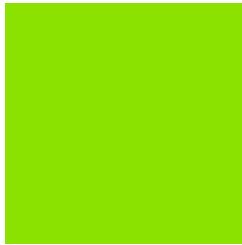
4.3554, 0.1825, 0.0779



0.3524, 0.1999, 0.0875

Previews

White Background



This preview shows how the Yxy color 59.8817, 0.3527, 0.5581 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 59.8817, 0.3527, 0.5581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

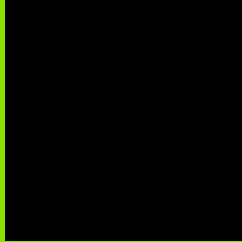
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8817, 0.3527, 0.5581

Background



This preview shows how black text looks on a background with the Yxy color 59.8817, 0.3527, 0.5581.



This preview shows how white text looks on a background with the Yxy color 59.8817, 0.3527, 0.5581.

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

59.8817, 0.3527, 0.5581

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

59.1411, 0.4647, 0.4539



Tritanopia

59.5318, 0.2703, 0.3082

Trichromacy



Original Color

59.8817, 0.3527, 0.5581

Protanomaly

58.3243, 0.4068, 0.5152

Deuteranomaly

57.4157, 0.4236, 0.4939

Tritanomaly

58.1246, 0.3151, 0.4241

Monochromacy



Original Color

59.8817, 0.3527, 0.5581

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

46.8647, 0.3468, 0.4436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8817, 0.3527, 0.5581 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(139, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 226, 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(139, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.8817, 0.3527, 0.5581 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(139, 226, 0) }
```

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

```
.border{ border-color:rgb(139, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 226,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8817, 0.3527, 0.5581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 226, 0) }
```

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

```
.background{ background-color: rgb(139,  
226, 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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