

# Converting Colors

Yxy(59.5583, 0.3448, 0.5629)

Have a look what the booklet for  
Yxy(59.5583, 0.3448, 0.5629)  
contains.

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**Color**

**Yxy(59.6206, 0.3450, 0.5627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81E307
RGB	129, 227, 7
RGB Percent	51%, 89%, 3%
CMY	0.4943, 0.1098, 0.9728
CMYK	0.43, 0.00, 0.97, 0.11
HSL	87°, 94%, 46%
HSV	87°, 97%, 89%
XYZ	36.5543, 59.6206, 9.7796
YIQ	172.6180, 12.2120, -89.1960

# Conversions

## Conversions Part 2

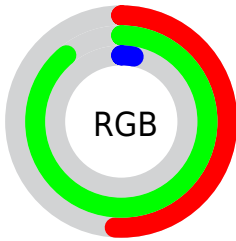
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 227, 105
Decimal	8512263
CIELab	81.63, -57.21, 78.76
CIELCh	82, 97.350, 125.995
Yxy	59.6206, 0.3450, 0.5627
Android (android.graphics.Color)	4286702343 (0xFF81E307)
YUV	172.6180, -81.6497, -38.2530
Hunter-Lab	77.2144, -50.6209, 46.5407

# Details

The Yxy color **59.6206, 0.3450, 0.5627** 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 **8.7006, 0.1942, 0.0855**, and the grayscale version is **41.9949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0601, 0.3570, 0.5064**, and **30.2841, 0.3229, 0.5818** is the 20% darker color. If you saturate the color by 10%, you get **59.3697, 0.3434, 0.5655**, and if you desaturate by 10%, it is **60.5313, 0.3495, 0.5515**.

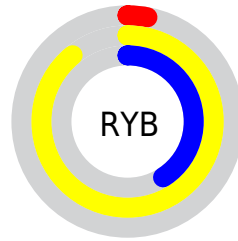
# Distribution



Red (51%)

Green (89%)

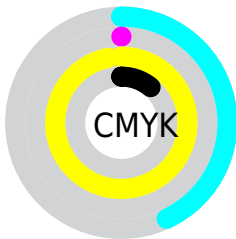
Blue (3%)



Red (3%)

Yellow (89%)

Blue (41%)

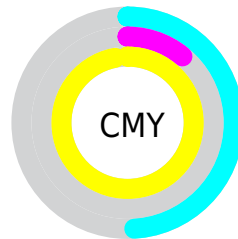


Cyan (43%)

Magenta (0%)

Yellow (97%)

Black (11%)



Cyan (49%)

Magenta (11%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6206, 0.3450, 0.5627 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 59.6206, 0.3450, 0.5627 by changing the saturation by 10% instead.





 59.6206, 0.3450,  
0.5627


 59.6206, 0.3450,  
0.5627


423.1979, 0.3414,  
0.4476


 43.1129, 0.3416,  
0.5882


 104.2791, 0.3470,  
0.5228


 29.9737, 0.3348,  
0.6183


 133.1987, 0.3467,  
0.5071


 19.8186, 0.3226,  
0.6537


 167.0244, 0.3461,  
0.4936

 12.2633, 0.3023,  
0.6977

 206.1405, 0.3453,  
0.4819

 6.9232, 0.2629,  
0.7371

 250.9316, 0.3443,  
0.4717

 3.4141, 0.2049,  
0.7951

 301.7819, 0.3434,

 1.3516, 0.0000,

0.4627

1.0000

359.0759, 0.3424,  
0.4547

■ 0.1806, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.6206, 0.3450,  
0.5627

■ 59.6206, 0.3450,  
0.5627

■ 59.3697, 0.3434,  
0.5655

■ 60.5313, 0.3495,  
0.5515

■ 61.6023, 0.3519,  
0.5349

■ 62.8545, 0.3519,  
0.5132

■ 64.3023, 0.3496,  
0.4875

■ 65.9582, 0.3454,  
0.4594

■ 67.8334, 0.3397,  
0.4301

■ 69.9383, 0.3330,  
0.4009

■ 72.2823, 0.3256,  
0.3727

■ 74.8742, 0.3180,  
0.3462

# Harmonies

## Analogous

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



59.6206, 0.4491, 0.5085



59.6206, 0.3450, 0.5627



59.6206, 0.2387, 0.5120

# Triad

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



59.6206, 0.3450, 0.5627



59.6206, 0.1263, 0.1788



59.6206, 0.4817, 0.2723

# Complementary

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



59.6206, 0.3450, 0.5627



8.7006, 0.1942, 0.0855

# 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.



59.6206, 0.3563, 0.2109



59.6206, 0.3450, 0.5627



59.6206, 0.1627, 0.1593

# Square

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



59.6206, 0.3450, 0.5627



59.6206, 0.1236, 0.2421



59.6206, 0.2387, 0.1713



59.6206, 0.5477, 0.3444



# Rectangle

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



59.6206, 0.3450, 0.5627



59.6206, 0.1807, 0.4176



59.6206, 0.2387, 0.1713



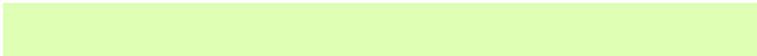
59.6206, 0.4432, 0.2501

# Sweetspot

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



59.6232, 0.3450, 0.5627



90.3954, 0.3346, 0.4073



25.9104, 0.5557, 0.3944



19.0949, 0.3375, 0.4199



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.



59.6232, 0.3450, 0.5627



77.2154, 0.3430, 0.5658



55.1264, 0.3014, 0.5970



16.4811, 0.3199, 0.3527



34.6906, 0.3445, 0.5647



2.6184, 0.3549, 0.5564



# Inverse Universe

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



8.7006, 0.1942, 0.0855



10.7725, 0.1903, 0.0822



19.7450, 0.3045, 0.1460



14.1999, 0.3050, 0.3052



4.9200, 0.1924, 0.0834

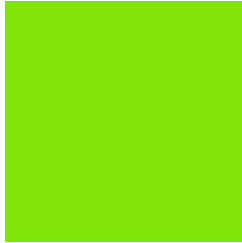


0.4180, 0.2087, 0.0924



# Previews

## White Background



This preview shows how the Yxy color 59.6206, 0.3450, 0.5627 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 59.6206, 0.3450, 0.5627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

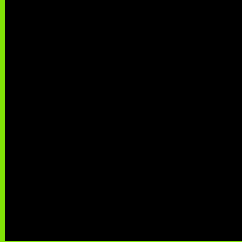
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

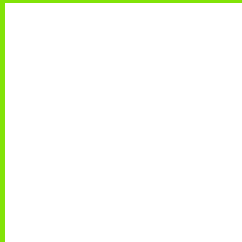
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.6206, 0.3450, 0.5627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6206, 0.3450, 0.5627.



This preview shows how white text looks on a background with the Yxy color 59.6206, 0.3450, 0.5627.

# 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

59.6206, 0.3450, 0.5627

### Deuteranopia

58.5297, 0.4642, 0.4529

### Tritanopia

59.2579, 0.2651, 0.3080

# Trichromacy



## Original Color

59.6206, 0.3450, 0.5627



## Deuteranomaly

56.8453, 0.4194, 0.4952



## Tritanomaly

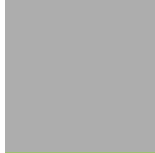
57.8748, 0.3070, 0.4229

# Monochromacy



## Original Color

59.6206, 0.3450, 0.5627



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

46.5003, 0.3419, 0.4422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6206, 0.3450, 0.5627 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, 227, 7)` looks like.

```
.text, #text, p{  
  color:rgb(129, 227, 7)  
}
```

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, 227, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 227, 7) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6206, 0.3450, 0.5627 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, 227, 7) }
```

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

```
.border{ border-color:rgb(129, 227, 7) }
```

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

Here you see how a box with a 4 pixel rgb(129, 227, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 227, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 227, 7);  
box-shadow:4px 4px 4px 4px rgb(129, 227,  
7) }
```

# Background

The CSS property to change the background color of an element to Yxy 59.6206, 0.3450, 0.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 227, 7) }
```

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

```
.background{ background-color: rgb(129,  
227, 7) }
```

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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