

# Converting Colors

Yxy(74.9750, 0.3184, 0.5598)

Have a look what the booklet for  
Yxy(74.9750, 0.3184, 0.5598)  
contains.

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**Color**

**Yxy(74.9616, 0.3182, 0.5597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BFF3B
RGB	107, 255, 59
RGB Percent	42%, 100%, 23%
CMY	0.5802, 0.0000, 0.7688
CMYK	0.58, 0.00, 0.77, 0.00
HSL	105°, 100%, 62%
HSV	105°, 77%, 100%
XYZ	42.6171, 74.9616, 16.3531
YIQ	188.4040, -25.2920, -92.3320

# Conversions

## Conversions Part 2

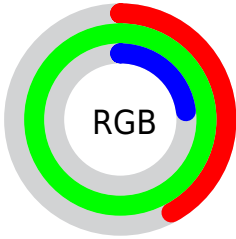
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 255, 207
Decimal	7077691
CIELab	89.38, -71.51, 75.37
CIELCh	89, 103.895, 133.494
Yxy	74.9616, 0.3182, 0.5597
Android (android.graphics.Color)	4285267771 (0xFF6BFF3B)
YUV	188.4040, -63.7962, -71.3913
Hunter-Lab	86.5804, -63.6534, 49.4077

# Details

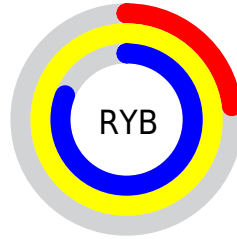
The Yxy color **74.9616, 0.3182, 0.5597** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **23.5931, 0.2735, 0.1424**, and the grayscale version is **50.9200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5340, 0.3329, 0.4852**, and **40.0181, 0.3013, 0.5990** is the 20% darker color. If you saturate the color by 10%, you get **73.6981, 0.3145, 0.5788**, and if you desaturate by 10%, it is **76.6259, 0.3207, 0.5340**.

# Distribution



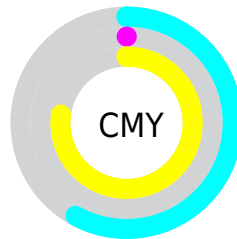
- Red (42%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9616, 0.3182, 0.5597 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 74.9616, 0.3182, 0.5597 by changing the saturation by 10% instead.



 74.9616, 0.3182,  
0.5597

 74.9616, 0.3182,  
0.5597


477.7856, 0.3255,  
0.4469


 55.5814, 0.3135,  
0.5852


 126.2580, 0.3231,  
0.5204

 39.8674, 0.3062,  
0.6159


 158.9430, 0.3243,  
0.5050


 27.4352, 0.2944,  
0.6529


 196.8318, 0.3250,  
0.4919

 17.9003, 0.2756,  
0.6978

 240.3087, 0.3254,  
0.4804

 10.8785, 0.2462,  
0.7538

 289.7581, 0.3256,  
0.4704

 5.9852, 0.1953,  
0.8047


345.5645, 0.3257,

 2.8361, 0.0937,


0.4616


0.9063


408.1122, 0.3256,  
0.4539


 1.0468, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.9616, 0.3182,  
0.5597


 74.9616, 0.3182,  
0.5597


 73.6981, 0.3145,  
0.5788


 76.6259, 0.3207,  
0.5340


 72.7871, 0.3101,  
0.5904

 78.7142, 0.3220,  
0.5035


 72.5627, 0.3088,  
0.5930

 81.2587, 0.3221,  
0.4704

 84.2857, 0.3211,  
0.4368

 87.8194, 0.3194,  
0.4043

 91.8823, 0.3172,  
0.3740

 96.4955, 0.3146,  
0.3463

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.9616, 0.4240, 0.5259



74.9616, 0.3182, 0.5597



74.9616, 0.2162, 0.4780

# Triad

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



74.9616, 0.3182, 0.5597



74.9616, 0.1335, 0.1719



74.9616, 0.5040, 0.2903

# Complementary

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



74.9616, 0.3182, 0.5597



23.5931, 0.2735, 0.1424

# 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.



74.9616, 0.3886, 0.2256



74.9616, 0.3182, 0.5597



74.9616, 0.1788, 0.1609

# Square

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



74.9616, 0.3182, 0.5597



74.9616, 0.1226, 0.2223



74.9616, 0.2652, 0.1799



74.9616, 0.5480, 0.3637



# Rectangle

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



74.9616, 0.3182, 0.5597



74.9616, 0.1652, 0.3783



74.9616, 0.2652, 0.1799



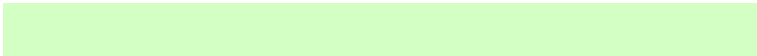
74.9616, 0.4709, 0.2674

# Sweetspot

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



74.9648, 0.3182, 0.5597



89.3323, 0.3186, 0.3923



65.7122, 0.4475, 0.4587



18.8188, 0.3194, 0.4035



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.



74.9648, 0.3182, 0.5597



73.1903, 0.3123, 0.5857



73.5303, 0.2875, 0.5251



20.3833, 0.3153, 0.3533



37.9734, 0.3097, 0.5923



3.7457, 0.3173, 0.5863



# Inverse Universe

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



23.5931, 0.2735, 0.1424



19.6633, 0.2634, 0.1250



28.8388, 0.3749, 0.2004



18.0627, 0.3098, 0.3053



9.7308, 0.2594, 0.1202

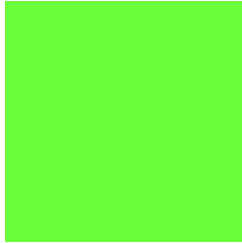


0.9983, 0.2667, 0.1243



# Previews

## White Background



This preview shows how the Yxy color 74.9616, 0.3182, 0.5597 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 74.9616, 0.3182, 0.5597 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

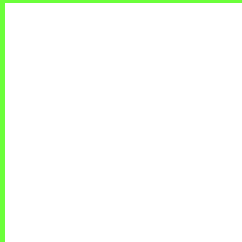
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9616, 0.3182, 0.5597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.9616, 0.3182, 0.5597.



This preview shows how white text looks on a background with the Yxy color 74.9616, 0.3182, 0.5597.

# 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

74.9616, 0.3182, 0.5597

### Protanopia

73.3384, 0.4325, 0.4777

### Deuteranopia

73.5301, 0.3800, 0.3846



## Tritanopia

74.3677, 0.2533, 0.3083

# Trichromacy



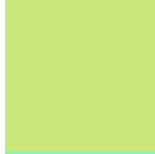
## Original Color

74.9616, 0.3182, 0.5597



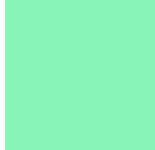
## Protanomaly

71.6888, 0.3837, 0.5126



## Deuteranomaly

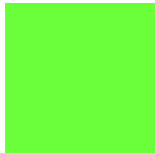
71.0500, 0.3577, 0.4509



## Tritanomaly

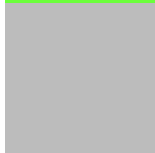
73.3130, 0.2816, 0.4048

# Monochromacy



## Original Color

74.9616, 0.3182, 0.5597



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

56.3810, 0.3210, 0.4244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9616, 0.3182, 0.5597 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(107, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 59)  
}
```

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(107, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9616, 0.3182, 0.5597 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(107, 255, 59) }
```

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

```
.border{ border-color:rgb(107, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9616, 0.3182, 0.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 59) }
```

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

```
.background{ background-color: rgb(107,  
255, 59) }
```

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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