

# Converting Colors

$Yxy(75.9695, 0.3484, 0.5393)$

Have a look what the booklet for  
Yxy(75.9695, 0.3484, 0.5393)  
contains.

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**Color**

**Yxy(75.9258, 0.3482, 0.5395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFA38
RGB	158, 250, 56
RGB Percent	62%, 98%, 22%
CMY	0.3803, 0.0196, 0.7806
CMYK	0.37, 0.00, 0.78, 0.02
HSL	88°, 95%, 60%
HSV	88°, 78%, 98%
XYZ	49.0035, 75.9258, 15.8044
YIQ	200.3760, 7.4420, -79.8380

# Conversions

## Conversions Part 2

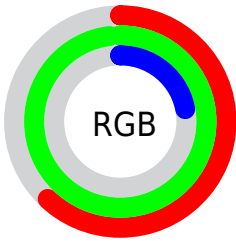
Format	Color
<a href="#">RYB</a>	<a href="#">56, 250, 148</a>
Decimal	<a href="#">10418744</a>
CIELab	<a href="#">89.82, -55.21, 77.35</a>
CIELCh	<a href="#">90, 95.034, 125.520</a>
Yxy	<a href="#">75.9258, 0.3482, 0.5395</a>
Android (android.graphics.Color)	<a href="#">4288608824 (0xFF9EFA38)</a>
YUV	<a href="#">200.3760, -71.1774, -37.1638</a>
Hunter-Lab	<a href="#">87.1354, -52.1016, 50.2409</a>

# Details

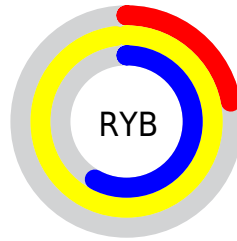
The Yxy color **75.9258, 0.3482, 0.5395** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **16.0111, 0.2224, 0.1154**, and the grayscale version is **58.4492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7334, 0.3650, 0.4713**, and **40.7366, 0.3375, 0.5703** is the 20% darker color. If you saturate the color by 10%, you get **74.5984, 0.3452, 0.5560**, and if you desaturate by 10%, it is **77.4976, 0.3488, 0.5177**.

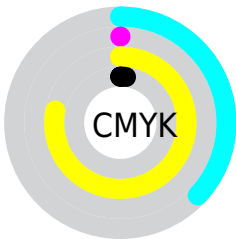
# Distribution



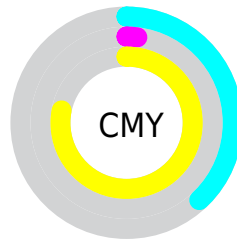
- Red (62%)
- Green (98%)
- Blue (22%)



- Red (22%)
- Yellow (98%)
- Blue (58%)



- Cyan (37%)
- Magenta (0%)
- Yellow (78%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9258, 0.3482, 0.5395 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 75.9258, 0.3482, 0.5395 by changing the saturation by 10% instead.




 75.9258, 0.3482,  
0.5395


 75.9258, 0.3482,  
0.5395


481.0937, 0.3411,  
0.4396


 56.3717, 0.3468,  
0.5612


 127.6220, 0.3481,  
0.5054

 40.5010, 0.3435,  
0.5870


 160.5329, 0.3473,  
0.4918


 27.9294, 0.3368,  
0.6174


 198.6648, 0.3464,  
0.4801

 18.2724, 0.3247,  
0.6539

 242.4021, 0.3453,  
0.4699

 11.1458, 0.3031,  
0.6969

 292.1293, 0.3442,  
0.4610

 6.1650, 0.2622,  
0.7378


348.2307, 0.3432,

 2.9456, 0.2004,


0.4530


0.7996

411.0907, 0.3421,  
0.4459

 1.1034, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.9258, 0.3482,  
0.5395


 75.9258, 0.3482,  
0.5395


 74.5984, 0.3452,  
0.5560

 77.4976, 0.3488,  
0.5177


 73.4809, 0.3403,  
0.5669

 79.3230, 0.3472,  
0.4917


 73.2391, 0.3390,  
0.5691


 81.4220, 0.3436,  
0.4631


 83.8093, 0.3385,  
0.4333

 86.4986, 0.3323,  
0.4036

 89.5024, 0.3254,  
0.3749

 92.8324, 0.3182,  
0.3481

 96.4394, 0.3116,  
0.3242

 96.8517, 0.3129,  
0.3242

# Harmonies

## Analogous

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



75.9258, 0.4437, 0.4960



75.9258, 0.3482, 0.5395



75.9258, 0.2491, 0.4924

# Triad

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



75.9258, 0.3482, 0.5395



75.9258, 0.1391, 0.1919



75.9258, 0.4639, 0.2773

# Complementary

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



75.9258, 0.3482, 0.5395



16.0111, 0.2224, 0.1154

# 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.



75.9258, 0.3511, 0.2194



75.9258, 0.3482, 0.5395



75.9258, 0.1733, 0.1718

# Square

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



75.9258, 0.3482, 0.5395



75.9258, 0.1378, 0.2531



75.9258, 0.2442, 0.1824



75.9258, 0.5262, 0.3460



# Rectangle

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



75.9258, 0.3482, 0.5395



75.9258, 0.1942, 0.4108



75.9258, 0.2442, 0.1824



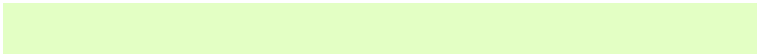
75.9258, 0.4291, 0.2563

# Sweetspot

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



75.9291, 0.3482, 0.5395



91.8859, 0.3291, 0.3902



41.3211, 0.5006, 0.4097



19.4299, 0.3316, 0.4007



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.



75.9291, 0.3482, 0.5395



77.3685, 0.3427, 0.5626



69.6939, 0.3029, 0.5720



19.7586, 0.3196, 0.3530



38.9344, 0.3401, 0.5681



3.6691, 0.3489, 0.5612



# Inverse Universe

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



16.0111, 0.2224, 0.1154



12.4122, 0.2030, 0.0916



28.8737, 0.3140, 0.1624



17.0464, 0.3054, 0.3050



5.8060, 0.1972, 0.0860

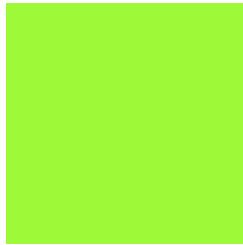


0.6003, 0.2102, 0.0932



# Previews

## White Background



This preview shows how the Yxy color 75.9258, 0.3482, 0.5395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

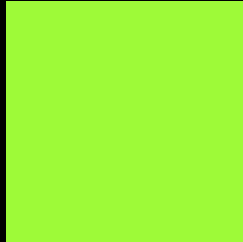
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9258, 0.3482, 0.5395 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

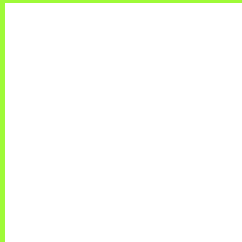
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9258, 0.3482, 0.5395**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9258, 0.3482, 0.5395.



This preview shows how white text looks on a background with the Yxy color 75.9258, 0.3482, 0.5395.

# 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

75.9258, 0.3482, 0.5395

### Protanopia

74.9634, 0.4335, 0.4779

### Deuteranopia

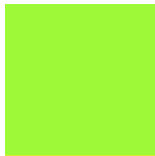
74.7876, 0.3750, 0.3804



## Tritanopia

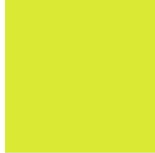
75.4964, 0.2712, 0.3080

# Trichromacy



## Original Color

75.9258, 0.3482, 0.5395



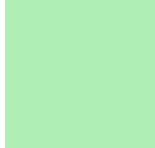
## Protanomaly

73.9990, 0.4000, 0.5021



## Deuteranomaly

73.3678, 0.3708, 0.4409



## Tritanomaly

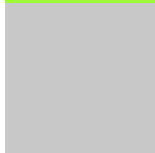
74.1832, 0.3057, 0.3986

# Monochromacy



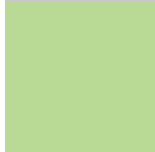
## Original Color

75.9258, 0.3482, 0.5395



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

62.5952, 0.3351, 0.4160

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9258, 0.3482, 0.5395 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(158, 250, 56)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 56)  
}
```

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(158, 250, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 56) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9258, 0.3482, 0.5395 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(158, 250, 56) }
```

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

```
.border{ border-color:rgb(158, 250, 56) }
```

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

Here you see how a box with a 4 pixel rgb(158, 250, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 56);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
56) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9258, 0.3482, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 56) }
```

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

```
.background{ background-color: rgb(158,  
250, 56) }
```

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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