

# Converting Colors

$Yxy(79.9131, 0.3588, 0.5507)$

Have a look what the booklet for  
Yxy(79.9131, 0.3588, 0.5507)  
contains.

<b>Yxy(79.8793, 0.3586, 0.5509)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(79.8793, 0.3586, 0.5509)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8FF0F
RGB	168, 255, 15
RGB Percent	66%, 100%, 6%
CMY	0.3411, 0.0000, 0.9418
CMYK	0.34, 0.00, 0.94, 0.00
HSL	82°, 100%, 53%
HSV	82°, 94%, 100%
XYZ	51.9962, 79.8793, 13.1223
YIQ	201.6270, 25.1880, -93.0840

# Conversions

## Conversions Part 2

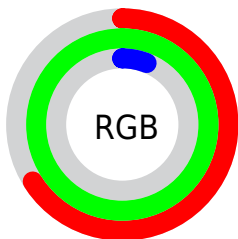
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	15, 255, 102
Decimal	11075343
CIE Lab	91.63, -55.00, 86.78
CIE LCh	92, 102.739, 122.364
Yxy	79.8793, 0.3586, 0.5509
Android (android.graphics.Color)	4289265423 (0xFFA8FF0F)
YUV	201.6270, -92.0071, -29.4909
Hunter-Lab	89.3752, -52.5599, 53.8575

# Details

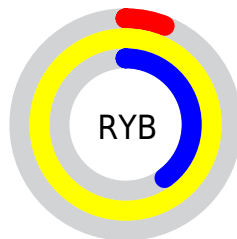
The Yxy color **79.8793, 0.3586, 0.5509** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **10.3709, 0.1830, 0.0801**, and the grayscale version is **59.3816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0411, 0.3816, 0.4837**, and **43.5140, 0.3420, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **79.2691, 0.3560, 0.5556**, and if you desaturate by 10%, it is **81.0522, 0.3617, 0.5396**.

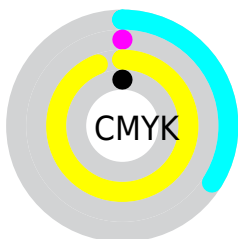
# Distribution



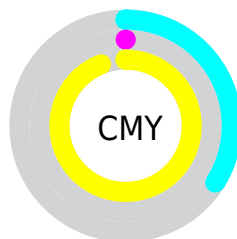
- Red (66%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (40%)



- Cyan (34%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8793, 0.3586, 0.5509 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 79.8793, 0.3586, 0.5509 by changing the saturation by 10% instead.





 79.8793, 0.3586,  
0.5509


 79.8793, 0.3586,  
0.5509

494.5260, 0.3491,  
0.4487


 59.6190, 0.3572,  
0.5720


 133.1960, 0.3581,  
0.5168


 43.1116, 0.3535,  
0.5964


 167.0213, 0.3571,  
0.5031

 29.9727, 0.3462,  
0.6242


 206.1370, 0.3559,  
0.4911

 19.8179, 0.3350,  
0.6598

 250.9275, 0.3545,  
0.4805

 12.2627, 0.3097,  
0.6903

 301.7773, 0.3531,  
0.4711

 6.9229, 0.2717,  
0.7283


 359.0707, 0.3517,


 3.4139, 0.2153,


0.4628


0.7847


423.1921, 0.3504,  
0.4554


 1.3515, 0.0000,  
1.0000


 0.1805, 0.0000,  
1.0000


 79.8793, 0.3586,  
0.5509


 79.8793, 0.3586,  
0.5509

 79.2691, 0.3560,  
0.5556

 81.0522, 0.3617,  
0.5396


 82.4116, 0.3625,  
0.5231


 83.9797, 0.3607,  
0.5019

 85.7736, 0.3565,  
0.4769

 87.8083, 0.3505,  
0.4495

 90.0972, 0.3429,  
0.4211

 92.6524, 0.3345,  
0.3927

 95.4853, 0.3255,  
0.3652

 98.6064, 0.3165,  
0.3393

# Harmonies

## Analogous

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



79.8793, 0.4573, 0.4946



79.8793, 0.3586, 0.5509



79.8793, 0.2544, 0.5153

# Triad

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



79.8793, 0.3586, 0.5509



79.8793, 0.1298, 0.1890



79.8793, 0.4620, 0.2669

# Complementary

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



79.8793, 0.3586, 0.5509



10.3709, 0.1830, 0.0801

# 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.



79.8793, 0.3397, 0.2088



79.8793, 0.3586, 0.5509



79.8793, 0.1613, 0.1651

# Square

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



79.8793, 0.3586, 0.5509



79.8793, 0.1315, 0.2575



79.8793, 0.2304, 0.1732



79.8793, 0.5355, 0.3368



# Rectangle

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



79.8793, 0.3586, 0.5509



79.8793, 0.1950, 0.4315



79.8793, 0.2304, 0.1732



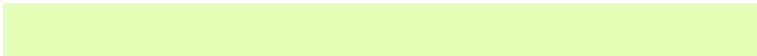
79.8793, 0.4234, 0.2456

# Sweetspot

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



79.8806, 0.3586, 0.5509



91.6451, 0.3378, 0.4035



30.1970, 0.5734, 0.3782



19.3823, 0.3414, 0.4158



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.



79.8806, 0.3586, 0.5509



79.2691, 0.3560, 0.5556



72.2541, 0.3052, 0.5928



20.7426, 0.3213, 0.3529



41.5071, 0.3570, 0.5548



4.1031, 0.3641, 0.5491



# Inverse Universe

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



10.3709, 0.1830, 0.0801



9.5137, 0.1768, 0.0748



22.6131, 0.2848, 0.1358



17.6979, 0.3036, 0.3048



5.0476, 0.1784, 0.0756

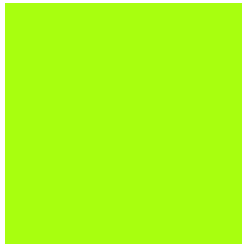


0.5505, 0.1908, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 79.8793, 0.3586, 0.5509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

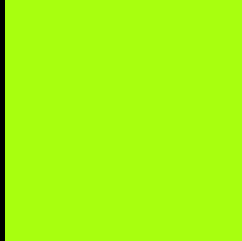
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8793, 0.3586, 0.5509 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

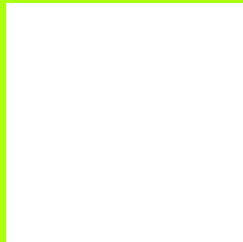
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.8793, 0.3586, 0.5509**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8793, 0.3586, 0.5509.

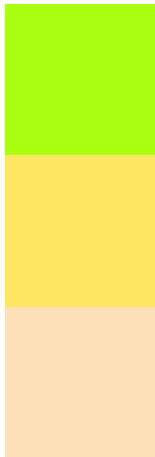


This preview shows how white text looks on a background with the Yxy color 79.8793, 0.3586, 0.5509.

# 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

79.8793, 0.3586, 0.5509

### Protanopia

78.7355, 0.4136, 0.4539

### Deuteranopia

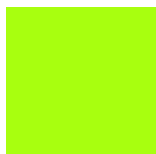
78.6132, 0.3619, 0.3699



## Tritanopia

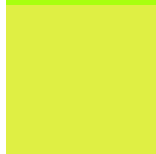
79.5241, 0.2768, 0.3096

# Trichromacy



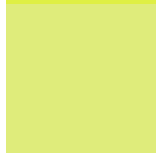
## Original Color

79.8793, 0.3586, 0.5509



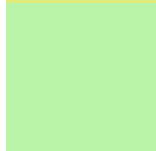
## Protanomaly

77.8383, 0.3961, 0.4946



## Deuteranomaly

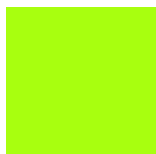
77.1089, 0.3735, 0.4500



## Tritanomaly

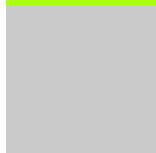
77.9676, 0.3198, 0.4179

# Monochromacy



## Original Color

79.8793, 0.3586, 0.5509



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

64.3813, 0.3471, 0.4349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8793, 0.3586, 0.5509 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(168, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 15)  
}
```

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(168, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 15) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8793, 0.3586, 0.5509 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(168, 255, 15) }
```

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

```
.border{ border-color:rgb(168, 255, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
15) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8793, 0.3586, 0.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 15) }
```

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

```
.background{ background-color: rgb(168,  
255, 15) }
```

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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