

Converting Colors

$Yxy(78.7010, 0.3635, 0.5496)$

Have a look what the booklet for
Yxy(78.7010, 0.3635, 0.5496)
contains.

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Color

Yxy(78.3915, 0.3634, 0.5497)

Conversions

Conversions Part 1

Format	Color
Hex	ACFC00
RGB	172, 252, 0
RGB Percent	67%, 99%, 0%
CMY	0.3255, 0.0117, 1.0000
CMYK	0.32, 0.00, 1.00, 0.01
HSL	79°, 100%, 49%
HSV	79°, 100%, 99%
XYZ	51.8237, 78.3915, 12.3926
YIQ	199.3520, 33.2120, -95.3320

Conversions

Conversions Part 2

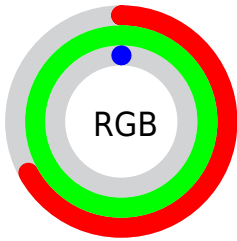
Format	Color
RYB	0, 252, 80
Decimal	11336704
CIELab	90.96, -52.55, 87.49
CIElCh	91, 102.057, 120.992
Yxy	78.3915, 0.3634, 0.5497
Android (android.graphics.Color)	4289526784 (0xFFACFC00)
YUV	199.3520, -98.2805, -23.9877
Hunter-Lab	88.5390, -50.4635, 53.6786

Details

The Yxy color **78.3915, 0.3634, 0.5497** 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 **8.7340, 0.1707, 0.0714**, and the grayscale version is **57.9427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6340, 0.3859, 0.4848**, and **42.4750, 0.3470, 0.5627** is the 20% darker color. If you saturate the color by 10%, you get **78.3954, 0.3634, 0.5497**, and if you desaturate by 10%, it is **79.3991, 0.3670, 0.5415**.

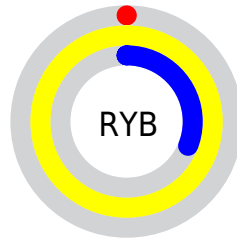
Distribution



Red (67%)

Green (99%)

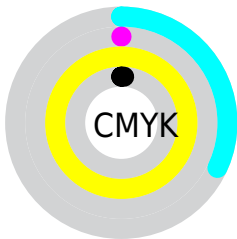
Blue (0%)



Red (0%)

Yellow (99%)

Blue (31%)

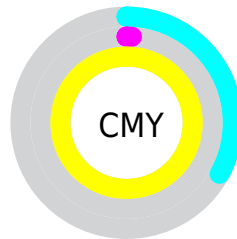


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (33%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3915, 0.3634, 0.5497 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 78.3915, 0.3634, 0.5497 by changing the saturation by 10% instead.

 78.3915, 0.3634,
0.5497


 78.3915, 0.3634,
0.5497


489.4954, 0.3518,
0.4484


 58.3956, 0.3623,
0.5704


 131.1019, 0.3623,
0.5161

 42.1268, 0.3590,
0.5943


 164.5852, 0.3611,
0.5025

 29.2006, 0.3520,
0.6213

 203.3331, 0.3596,
0.4905

 19.2326, 0.3418,
0.6573

 247.7300, 0.3580,
0.4800

 11.8385, 0.3157,
0.6843

 298.1602, 0.3564,
0.4707

 6.6338, 0.2784,
0.7216


 355.0083, 0.3548,


 3.2342, 0.2224,


0.4625


0.7776


418.6586, 0.3533,
0.4551


 1.2552, 0.0000,
1.0000


 0.1061, 0.0000,
1.0000


 78.3915, 0.3634,
0.5497


 78.3915, 0.3634,
0.5497

 78.3954, 0.3634,
0.5497


 79.3991, 0.3670,
0.5415


 80.5500, 0.3685,
0.5288


 81.8769, 0.3674,
0.5111

 83.3980, 0.3639,
0.4890

 85.1284, 0.3581,
0.4637

 87.0816, 0.3505,
0.4365

 89.2696, 0.3418,
0.4085

 91.7034, 0.3323,
0.3808

 94.3934, 0.3225,
0.3541

Harmonies

Analogous

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



78.3915, 0.4613, 0.4910



78.3915, 0.3634, 0.5497



78.3915, 0.2589, 0.5195

Triad

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



78.3915, 0.3634, 0.5497



78.3915, 0.1292, 0.1910



78.3915, 0.4570, 0.2639

Complementary

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



78.3915, 0.3634, 0.5497



8.7340, 0.1707, 0.0714

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.



78.3915, 0.3341, 0.2067



78.3915, 0.3634, 0.5497



78.3915, 0.1591, 0.1655

Square

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



78.3915, 0.3634, 0.5497



78.3915, 0.1325, 0.2621



78.3915, 0.2264, 0.1723



78.3915, 0.5338, 0.3335

Rectangle

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



78.3915, 0.3634, 0.5497



78.3915, 0.1986, 0.4380



78.3915, 0.2264, 0.1723



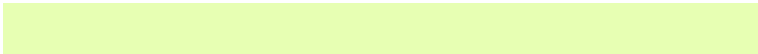
78.3915, 0.4178, 0.2429

Sweetspot

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



78.3954, 0.3634, 0.5497



91.6960, 0.3418, 0.4085



26.4047, 0.5953, 0.3655



19.4173, 0.3456, 0.4204



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.



78.3954, 0.3634, 0.5497



80.5244, 0.3634, 0.5497



70.2096, 0.3051, 0.5959



19.8983, 0.3220, 0.3528



40.9175, 0.3643, 0.5489



3.8463, 0.3710, 0.5436

Inverse Universe

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



8.7340, 0.1707, 0.0714



8.9671, 0.1707, 0.0714



20.1224, 0.2740, 0.1283



16.9104, 0.3029, 0.3048



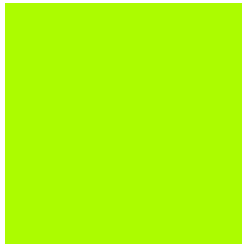
4.6187, 0.1723, 0.0723



0.4819, 0.1849, 0.0792

Previews

White Background



This preview shows how the Yxy color 78.3915, 0.3634, 0.5497 looks on a white background.

Color Contrast Check

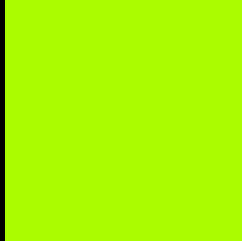
Large Text (above 18pt) WCAG AA × Fail

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 78.3915, 0.3634, 0.5497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

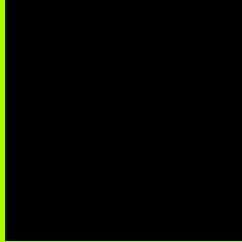
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

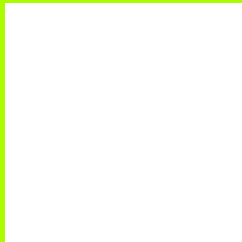
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3915, 0.3634, 0.5497

Background



This preview shows how black text looks on a background with the Yxy color 78.3915, 0.3634, 0.5497.



This preview shows how white text looks on a background with the Yxy color 78.3915, 0.3634, 0.5497.

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

78.3915, 0.3634, 0.5497

Protanopia

77.7797, 0.4249, 0.4690

Deuteranopia

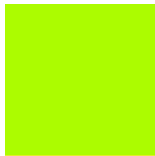
77.3306, 0.3660, 0.3730



Tritanopia

77.8078, 0.2782, 0.3085

Trichromacy



Original Color

78.3915, 0.3634, 0.5497



Protanomaly

76.7732, 0.4048, 0.5026



Deuteranomaly

76.0910, 0.3802, 0.4550



Tritanomaly

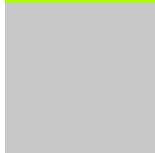
76.1752, 0.3255, 0.4229

Monochromacy



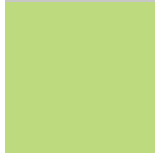
Original Color

78.3915, 0.3634, 0.5497



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.4939, 0.3516, 0.4404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3915, 0.3634, 0.5497 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(172, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 252, 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(172, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 78.3915, 0.3634, 0.5497 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(172, 252, 0) }
```

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

```
.border{ border-color:rgb(172, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(172, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3915, 0.3634, 0.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 252, 0) }
```

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

```
.background{ background-color: rgb(172,  
252, 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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