

Converting Colors

$Y_{xy}(70.9905, 0.3589, 0.5532)$

Have a look what the booklet for
Yxy(70.9905, 0.3589, 0.5532)
contains.

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Color

Yxy(70.8752, 0.3593, 0.5529)

Conversions

Conversions Part 1

Format	Color
Hex	9FF200
RGB	159, 242, 0
RGB Percent	62%, 95%, 0%
CMY	0.3763, 0.0510, 0.9996
CMYK	0.34, 0.00, 1.00, 0.05
HSL	81°, 100%, 47%
HSV	81°, 100%, 95%
XYZ	46.0580, 70.8752, 11.2549
YIQ	189.5950, 28.2140, -92.8580

Conversions

Conversions Part 2

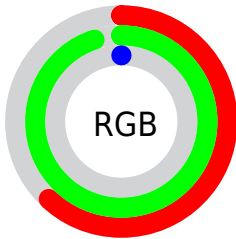
Format	Color
RYB	0, 242, 83
Decimal	10482176
CIELab	87.42, -53.07, 84.46
CIELCh	87, 99.744, 122.143
Yxy	70.8752, 0.3593, 0.5529
Android (android.graphics.Color)	4288672256 (0xFF9FF200)
YUV	189.5950, -93.4703, -26.8318
Hunter-Lab	84.1874, -49.6726, 51.0048

Details

The Yxy color **70.8752, 0.3593, 0.5529** 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 **8.2545, 0.1744, 0.0734**, and the grayscale version is **51.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3354, 0.3768, 0.4922**, and **37.3506, 0.3415, 0.5670** is the 20% darker color. If you saturate the color by 10%, you get **70.8742, 0.3593, 0.5529**, and if you desaturate by 10%, it is **71.8228, 0.3632, 0.5442**.

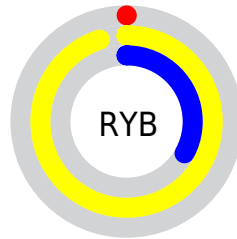
Distribution



Red (62%)

Green (95%)

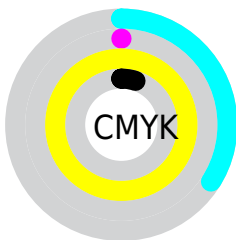
Blue (0%)



Red (0%)

Yellow (95%)

Blue (33%)

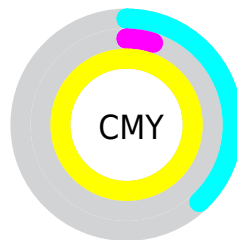


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (38%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8752, 0.3593, 0.5529 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 70.8752, 0.3593, 0.5529 by changing the saturation by 10% instead.


 70.8752, 0.3593,
0.5529


 70.8752, 0.3593,
0.5529


463.6170, 0.3493,
0.4477

 52.2404, 0.3577,
0.5750

 120.4560, 0.3589,
0.5175

 37.1967, 0.3535,
0.6005


 152.1708, 0.3578,
0.5033

 25.3598, 0.3451,
0.6296


 189.0143, 0.3565,
0.4909

 16.3453, 0.3322,
0.6678

 231.3709, 0.3550,
0.4801

 9.7689, 0.3022,
0.6978

 279.6252, 0.3536,
0.4705

 5.2460, 0.2590,
0.7410


 334.1613, 0.3521,

 2.3923, 0.1836,


0.4620


0.8164

395.3638, 0.3507,
0.4545

 0.8219, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.8752, 0.3593,
0.5529


 70.8752, 0.3593,
0.5529

 70.8742, 0.3593,
0.5529

 71.8228, 0.3632,
0.5442

 72.9086, 0.3650,
0.5310

 74.1628, 0.3643,
0.5127

 75.6017, 0.3611,
0.4901

■ 77.2393, 0.3558,
0.4644

■ 79.0879, 0.3487,
0.4368

■ 81.1587, 0.3404,
0.4085

■ 83.4618, 0.3313,
0.3807

■ 86.0068, 0.3220,
0.3540

Harmonies

Analogous

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



70.8752, 0.4588, 0.4950



70.8752, 0.3593, 0.5529



70.8752, 0.2543, 0.5183

Triad

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



70.8752, 0.3593, 0.5529



70.8752, 0.1283, 0.1881



70.8752, 0.4627, 0.2657

Complementary

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



70.8752, 0.3593, 0.5529



8.2545, 0.1744, 0.0734

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.



70.8752, 0.3390, 0.2075



70.8752, 0.3593, 0.5529



70.8752, 0.1598, 0.1639

Square

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



70.8752, 0.3593, 0.5529



70.8752, 0.1303, 0.2574



70.8752, 0.2290, 0.1719



70.8752, 0.5373, 0.3359

Rectangle

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



70.8752, 0.3593, 0.5529



70.8752, 0.1944, 0.4337



70.8752, 0.2290, 0.1719



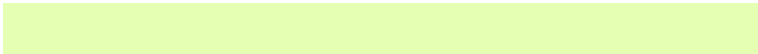
70.8752, 0.4236, 0.2444

Sweetspot

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



70.8783, 0.3593, 0.5529



91.3742, 0.3405, 0.4089



24.7229, 0.5906, 0.3693



19.3404, 0.3441, 0.4208



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.



70.8783, 0.3593, 0.5529



79.7963, 0.3591, 0.5531



63.9619, 0.3044, 0.5965



18.1719, 0.3215, 0.3527



38.1541, 0.3602, 0.5522



3.2288, 0.3681, 0.5459

Inverse Universe

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



8.2545, 0.1744, 0.0734



9.2676, 0.1741, 0.0732



18.9252, 0.2784, 0.1307



15.4922, 0.3033, 0.3050



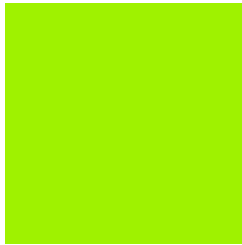
4.4994, 0.1759, 0.0743



0.4274, 0.1902, 0.0822

Previews

White Background



This preview shows how the Yxy color 70.8752, 0.3593, 0.5529 looks on a white background.

Color Contrast Check

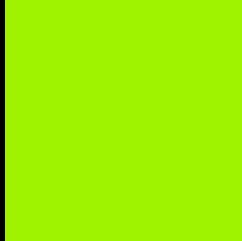
Large Text (above 18pt) WCAG AA × Fail

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 70.8752, 0.3593, 0.5529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

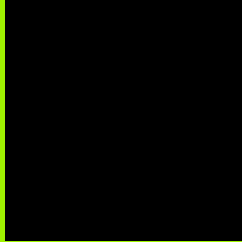
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8752, 0.3593, 0.5529

Background



This preview shows how black text looks on a background with the Yxy color 70.8752, 0.3593, 0.5529.



This preview shows how white text looks on a background with the Yxy color 70.8752, 0.3593, 0.5529.

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

70.8752, 0.3593, 0.5529

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

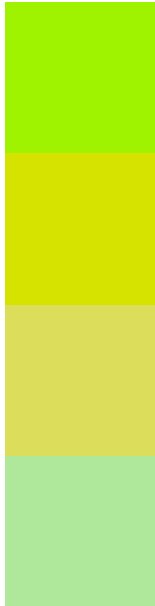
69.8317, 0.3968, 0.3987



Tritanopia

70.5118, 0.2752, 0.3086

Trichromacy



Original Color

70.8752, 0.3593, 0.5529

Protanomaly

69.2343, 0.4092, 0.5133

Deuteranomaly

68.2135, 0.3946, 0.4680

Tritanomaly

68.6323, 0.3214, 0.4228

Monochromacy



Original Color

70.8752, 0.3593, 0.5529

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

56.5651, 0.3502, 0.4417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8752, 0.3593, 0.5529 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(159, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 242, 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(159, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.8752, 0.3593, 0.5529 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(159, 242, 0) }
```

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

```
.border{ border-color:rgb(159, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8752, 0.3593, 0.5529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 242, 0) }
```

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

```
.background{ background-color: rgb(159,  
242, 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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