

Converting Colors

Yxy(59.8420, 0.3348, 0.5724)

Have a look what the booklet for
Yxy(59.8420, 0.3348, 0.5724)
contains.

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Color

Yxy(59.5493, 0.3348, 0.5724)

Conversions

Conversions Part 1

Format	Color
Hex	71E500
RGB	113, 229, 0
RGB Percent	44%, 90%, 0%
CMY	0.5568, 0.1020, 1.0000
CMYK	0.51, 0.00, 1.00, 0.10
HSL	90°, 100%, 45%
HSV	90°, 100%, 90%
XYZ	34.8307, 59.5493, 9.6544
YIQ	168.2100, 4.3730, -95.8110

Conversions

Conversions Part 2

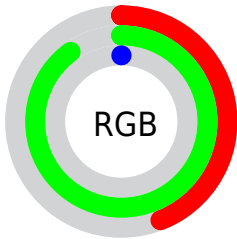
Format	Color
RYB	0, 229, 116
Decimal	7464192
CIELab	81.59, -62.85, 79.08
CIELCh	82, 101.016, 128.478
Yxy	59.5493, 0.3348, 0.5724
Android (android.graphics.Color)	4285654272 (0xFF71E500)
YUV	168.2100, -82.9275, -48.4192
Hunter-Lab	77.1682, -54.4764, 46.6001

Details

The Yxy color **59.5493, 0.3348, 0.5724** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.3691, 0.2023, 0.0888**, and the grayscale version is **39.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3385, 0.3481, 0.5130**, and **29.9765, 0.3096, 0.5924** is the 20% darker color. If you saturate the color by 10%, you get **59.5521, 0.3348, 0.5724**, and if you desaturate by 10%, it is **60.4328, 0.3401, 0.5619**.

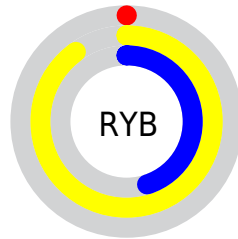
Distribution



Red (44%)

Green (90%)

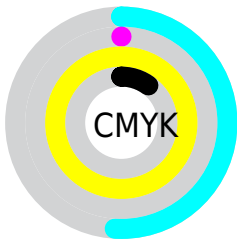
Blue (0%)



Red (0%)

Yellow (90%)

Blue (45%)

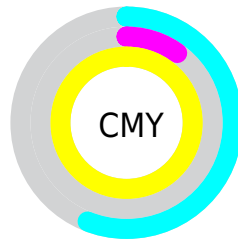


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (56%)


Magenta (10%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5493, 0.3348, 0.5724 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 59.5493, 0.3348, 0.5724 by changing the saturation by 10% instead.


 59.5493, 0.3348,
0.5724

 59.5493, 0.3348,
0.5724


422.9345, 0.3366,
0.4514

 43.0555, 0.3300,
0.5995


 104.1756, 0.3388,
0.5302

 29.9286, 0.3215,
0.6315


 133.0768, 0.3393,
0.5137

 19.7844, 0.3070,
0.6696


 166.8827, 0.3393,
0.4996


 12.2384, 0.2836,
0.7164

 205.9775, 0.3390,
0.4873

 6.9063, 0.2408,
0.7592

 250.7457, 0.3385,
0.4766

 3.4036, 0.1781,
0.8219

 301.5717, 0.3379,

 1.3459, 0.0000,

0.4672

1.0000

358.8398, 0.3373,
0.4588

■ 0.1763, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5493, 0.3348,
0.5724

■ 59.5493, 0.3348,
0.5724

■ 59.5521, 0.3348,
0.5724

■ 60.4328, 0.3401,
0.5619

■ 61.4881, 0.3437,
0.5462

■ 62.7447, 0.3452,
0.5249

■ 64.2190, 0.3445,
0.4993

■ 65.9256, 0.3418,
0.4706

■ 67.8772, 0.3375,
0.4406

■ 70.0855, 0.3321,
0.4105

■ 72.5614, 0.3259,
0.3815

■ 75.3150, 0.3194,
0.3542

Harmonies

Analogous

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



59.5493, 0.4429, 0.5192



59.5493, 0.3348, 0.5724



59.5493, 0.2270, 0.5098

Triad

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



59.5493, 0.3348, 0.5724



59.5493, 0.1234, 0.1712



59.5493, 0.4968, 0.2758

Complementary

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



59.5493, 0.3348, 0.5724



9.3691, 0.2023, 0.0888

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.



59.5493, 0.3688, 0.2119



59.5493, 0.3348, 0.5724



59.5493, 0.1632, 0.1547

Square

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



59.5493, 0.3348, 0.5724



59.5493, 0.1175, 0.2309



59.5493, 0.2446, 0.1694



59.5493, 0.5570, 0.3495

Rectangle

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



59.5493, 0.3348, 0.5724



59.5493, 0.1699, 0.4074



59.5493, 0.2446, 0.1694



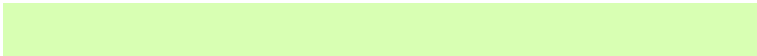
59.5493, 0.4584, 0.2529

Sweetspot

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



59.5521, 0.3348, 0.5724



89.3923, 0.3322, 0.4111



28.8065, 0.5427, 0.4073



18.8696, 0.3346, 0.4238



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.



59.5521, 0.3348, 0.5724



75.9443, 0.3344, 0.5727



56.0400, 0.3000, 0.6000



16.4366, 0.3190, 0.3528



34.1195, 0.3359, 0.5715



2.5765, 0.3470, 0.5627

Inverse Universe

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



9.3691, 0.2023, 0.0888



11.8988, 0.2017, 0.0885



22.3157, 0.3209, 0.1542



14.2441, 0.3059, 0.3053



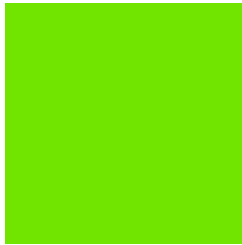
5.4285, 0.2038, 0.0897



0.4564, 0.2196, 0.0983

Previews

White Background



This preview shows how the Yxy color 59.5493, 0.3348, 0.5724 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 59.5493, 0.3348, 0.5724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

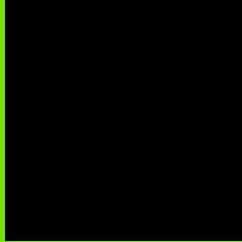
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

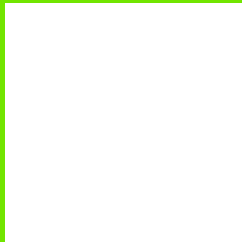
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.5493, 0.3348, 0.5724

Background



This preview shows how black text looks on a background with the Yxy color 59.5493, 0.3348, 0.5724.



This preview shows how white text looks on a background with the Yxy color 59.5493, 0.3348, 0.5724.

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

59.5493, 0.3348, 0.5724

Protanopia

58.5720, 0.4404, 0.4885

Deuteranopia

58.3495, 0.4631, 0.4530



Tritanopia

59.2310, 0.2576, 0.3077

Trichromacy



Original Color

59.5493, 0.3348, 0.5724



Protanomaly

57.5261, 0.3977, 0.5224



Deuteranomaly

56.3129, 0.4131, 0.5011



Tritanomaly

57.7249, 0.2996, 0.4303

Monochromacy



Original Color

59.5493, 0.3348, 0.5724



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.1843, 0.3391, 0.4502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5493, 0.3348, 0.5724 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(113, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 229, 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(113, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 229, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.5493, 0.3348, 0.5724 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(113, 229, 0) }
```

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

```
.border{ border-color:rgb(113, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 229,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5493, 0.3348, 0.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 229, 0) }
```

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

```
.background{ background-color: rgb(113,  
229, 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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