

Converting Colors

$Y_{xy}(74.0640, 0.3116, 0.5646)$

Have a look what the booklet for
Yxy(74.0640, 0.3116, 0.5646)
contains.

Yxy(74.0599, 0.3115, 0.5645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.0599, 0.3115, 0.5645)

Conversions

Conversions Part 1

Format	Color
Hex	5BFF3B
RGB	91, 255, 59
RGB Percent	36%, 100%, 23%
CMY	0.6429, 0.0000, 0.7689
CMYK	0.64, 0.00, 0.77, 0.00
HSL	110°, 100%, 62%
HSV	110°, 77%, 100%
XYZ	40.8674, 74.0599, 16.2683
YIQ	183.6200, -34.8280, -95.7240

Conversions

Conversions Part 2

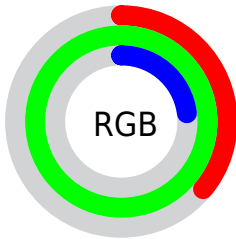
Format	Color
RYB	59, 255, 223
Decimal	6029115
CIELab	88.95, -74.99, 74.82
CIELCh	89, 105.934, 135.064
Yxy	74.0599, 0.3115, 0.5645
Android (android.graphics.Color)	4284219195 (0xFF5BFF3B)
YUV	183.6200, -61.4377, -81.2277
Hunter-Lab	86.0581, -65.8352, 49.0326

Details

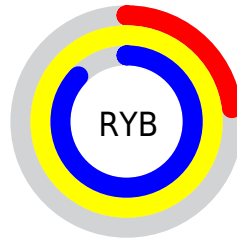
The Yxy color **74.0599, 0.3115, 0.5645** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **26.0066, 0.2890, 0.1503**, and the grayscale version is **48.0796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2470, 0.3256, 0.4889**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.9251, 0.3084, 0.5835**, and if you desaturate by 10%, it is **75.6374, 0.3139, 0.5384**.

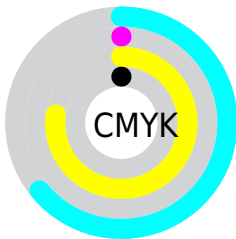
Distribution



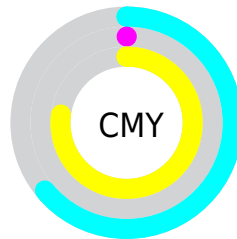
- Red (36%)
- Green (100%)
- Blue (23%)



- Red (23%)
- Yellow (100%)
- Blue (87%)



- Cyan (64%)
- Magenta (0%)
- Yellow (77%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0599, 0.3115, 0.5645 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 74.0599, 0.3115, 0.5645 by changing the saturation by 10% instead.


 74.0599, 0.3115,
0.5645

 74.0599, 0.3115,
0.5645


474.6801, 0.3221,
0.4485


 54.8431, 0.3061,
0.5910


 124.9807, 0.3175,
0.5239

 39.2761, 0.2977,
0.6229


 157.4535, 0.3192,
0.5081

 26.9746, 0.2847,
0.6616


 195.1137, 0.3203,
0.4945

 17.5541, 0.2643,
0.7086

 238.3457, 0.3210,
0.4828

 10.6304, 0.2327,
0.7673

 287.5340, 0.3215,
0.4726

 5.8189, 0.1796,
0.8204

343.0629, 0.3218,

 2.7352, 0.0564,

0.4636

0.9436

405.3168, 0.3220,
0.4556

■ 0.9951, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.0599, 0.3115,
0.5645

■ 74.0599, 0.3115,
0.5645

■ 72.9251, 0.3084,
0.5835

■ 75.6374, 0.3139,
0.5384

■ 72.1763, 0.3051,
0.5944

■ 77.6889, 0.3156,
0.5070

■ 72.0080, 0.3042,
0.5967

■ 80.2531, 0.3164,
0.4730

■ 83.3619, 0.3165,
0.4384

 87.0447, 0.3159,
0.4052

 91.3287, 0.3149,
0.3743

 96.2395, 0.3137,
0.3464

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.0599, 0.4195, 0.5328



74.0599, 0.3115, 0.5645



74.0599, 0.2090, 0.4746

Triad

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



74.0599, 0.3115, 0.5645



74.0599, 0.1321, 0.1676



74.0599, 0.5129, 0.2928

Complementary

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



74.0599, 0.3115, 0.5645



26.0066, 0.2890, 0.1503

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.



74.0599, 0.3972, 0.2266



74.0599, 0.3115, 0.5645



74.0599, 0.1798, 0.1585

Square

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



74.0599, 0.3115, 0.5645



74.0599, 0.1192, 0.2158



74.0599, 0.2698, 0.1792



74.0599, 0.5525, 0.3672

Rectangle

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



74.0599, 0.3115, 0.5645



74.0599, 0.1590, 0.3711



74.0599, 0.2698, 0.1792



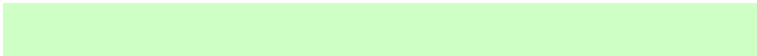
74.0599, 0.4804, 0.2694

Sweetspot

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



74.0628, 0.3115, 0.5645



88.6382, 0.3156, 0.3928



73.9888, 0.4345, 0.4712



18.6548, 0.3159, 0.4043



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.



74.0628, 0.3115, 0.5645



72.4974, 0.3067, 0.5900



73.9102, 0.2816, 0.5049



20.3111, 0.3140, 0.3534



37.6675, 0.3048, 0.5962



3.7061, 0.3111, 0.5912

Inverse Universe

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



26.0066, 0.2890, 0.1503



22.4164, 0.2824, 0.1353



28.0830, 0.3964, 0.2138



18.1408, 0.3112, 0.3054



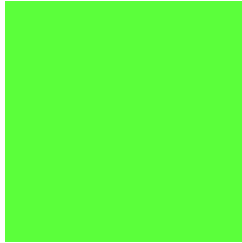
11.2359, 0.2797, 0.1314



1.1324, 0.2846, 0.1342

Previews

White Background



This preview shows how the Yxy color 74.0599, 0.3115, 0.5645 looks on a white background.

Color Contrast Check

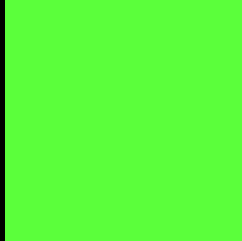
Large Text (above 18pt) WCAG AA × Fail

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 74.0599, 0.3115, 0.5645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

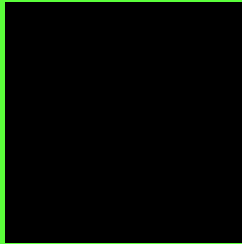
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

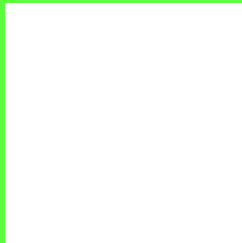
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.0599, 0.3115, 0.5645

Background



This preview shows how black text looks on a background with the Yxy color 74.0599, 0.3115, 0.5645.

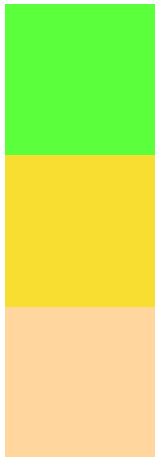


This preview shows how white text looks on a background with the Yxy color 74.0599, 0.3115, 0.5645.

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

74.0599, 0.3115, 0.5645

Protanopia

72.6126, 0.4328, 0.4779

Deuteranopia

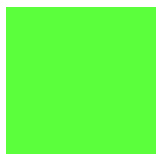
72.3295, 0.3844, 0.3877



Tritanopia

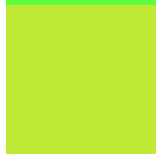
73.5392, 0.2492, 0.3081

Trichromacy



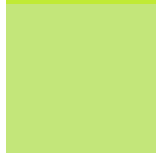
Original Color

74.0599, 0.3115, 0.5645



Protanomaly

70.3091, 0.3800, 0.5158



Deuteranomaly

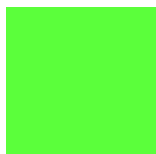
69.6009, 0.3552, 0.4552



Tritanomaly

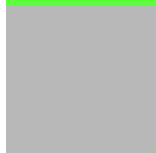
72.3730, 0.2758, 0.4060

Monochromacy



Original Color

74.0599, 0.3115, 0.5645



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.4413, 0.3159, 0.4269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0599, 0.3115, 0.5645 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(91, 255, 59)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 59)  
}
```

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(91, 255, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 59) }
```

Border

The CSS property to change the border of an element to Yxy 74.0599, 0.3115, 0.5645 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(91, 255, 59) }
```

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

```
.border{ border-color:rgb(91, 255, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 255, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 59);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0599, 0.3115, 0.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 59) }
```

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

```
.background{ background-color: rgb(91, 255,  
59) }
```

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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