

Converting Colors

$Y_{xy}(74.8880, 0.2940, 0.5122)$

Have a look what the booklet for
Yxy(74.8880, 0.2940, 0.5122)
contains.

Yxy(74.8817, 0.2938, 0.5120)	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(74.8817, 0.2938, 0.5120)

Conversions

Conversions Part 1

Format	Color
Hex	59FF73
RGB	89, 255, 115
RGB Percent	35%, 100%, 45%
CMY	0.6512, 0.0000, 0.5491
CMYK	0.65, 0.00, 0.55, 0.00
HSL	129°, 100%, 67%
HSV	129°, 65%, 100%
XYZ	42.9692, 74.8817, 28.4024
YIQ	189.4060, -53.9960, -78.7320

Conversions

Conversions Part 2

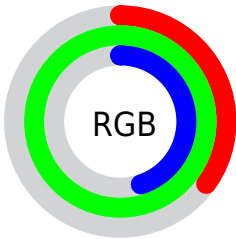
Format	Color
RYB	89, 233, 255
Decimal	5898099
CIELab	89.34, -70.30, 53.83
CIELCh	89, 88.537, 142.558
Yxy	74.8817, 0.2938, 0.5120
Android (android.graphics.Color)	4284088179 (0xFF59FF73)
YUV	189.4060, -36.6822, -88.0561
Hunter-Lab	86.5342, -62.7993, 41.1137

Details

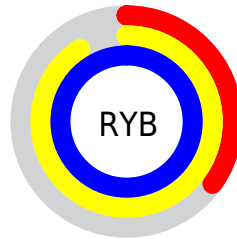
The Yxy color **74.8817, 0.2938, 0.5120** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **34.0500, 0.3456, 0.1996**, and the grayscale version is **51.3592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3908, 0.2996, 0.4314**, and **40.2694, 0.2883, 0.5580** is the 20% darker color. If you saturate the color by 10%, you get **73.3903, 0.2934, 0.5406**, and if you desaturate by 10%, it is **76.9185, 0.2953, 0.4808**.

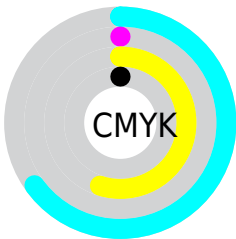
Distribution



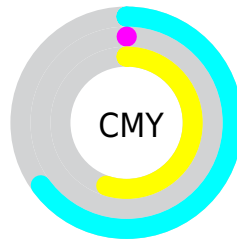
- Red (35%)
- Green (100%)
- Blue (45%)



- Red (35%)
- Yellow (91%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8817, 0.2938, 0.5120 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 74.8817, 0.2938, 0.5120 by changing the saturation by 10% instead.


 74.8817, 0.2938,
0.5120


 74.8817, 0.2938,
0.5120

477.5109, 0.3078,
0.4206

 55.5160, 0.2891,
0.5340


 126.1449, 0.2998,
0.4792


 39.8150, 0.2825,
0.5616


 158.8111, 0.3018,
0.4668

 27.3943, 0.2728,
0.5967


 196.6797, 0.3034,
0.4562

 17.8696, 0.2580,
0.6424


 240.1350, 0.3046,
0.4471

 10.8564, 0.2342,
0.7024

289.5613, 0.3057,
0.4391

 5.9704, 0.1997,
0.8003


345.3432, 0.3065,

 2.8271, 0.1013,


0.4322


0.8987


407.8649, 0.3072,
0.4261


 1.0421, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.8817, 0.2938,
0.5120


 74.8817, 0.2938,
0.5120


 73.3903, 0.2934,
0.5406


 76.9185, 0.2953,
0.4808


 72.3986, 0.2942,
0.5646

 79.5586, 0.2976,
0.4489


 71.8358, 0.2959,
0.5824

 82.8413, 0.3006,
0.4181

 71.6731, 0.2969,
0.5887

 86.8054, 0.3039,
0.3892

 91.4866, 0.3074,
0.3631

 96.9181, 0.3109,
0.3398

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.



74.8817, 0.3893, 0.5171



74.8817, 0.2938, 0.5120



74.8817, 0.2084, 0.4177

Triad

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



74.8817, 0.2938, 0.5120



74.8817, 0.1620, 0.1840



74.8817, 0.4963, 0.3178

Complementary

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



74.8817, 0.2938, 0.5120



34.0500, 0.3456, 0.1996

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.



74.8817, 0.4117, 0.2549



74.8817, 0.2938, 0.5120



74.8817, 0.2145, 0.1818

Square

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



74.8817, 0.2938, 0.5120



74.8817, 0.1429, 0.2195



74.8817, 0.3027, 0.2068



74.8817, 0.5154, 0.3875

Rectangle

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



74.8817, 0.2938, 0.5120



74.8817, 0.1694, 0.3358



74.8817, 0.3027, 0.2068



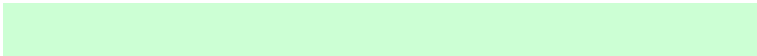
74.8817, 0.4741, 0.2958

Sweetspot

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



74.8784, 0.2938, 0.5120



89.1107, 0.3057, 0.3755



89.0784, 0.3853, 0.4888



18.7975, 0.3047, 0.3829



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.



74.8784, 0.2938, 0.5120



73.0565, 0.2935, 0.5480



77.6667, 0.2591, 0.4030



20.2146, 0.3094, 0.3497



37.4644, 0.2963, 0.5868



3.6606, 0.2915, 0.5693

Inverse Universe

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



34.0500, 0.3456, 0.1996



29.4695, 0.3535, 0.1857



30.5037, 0.4493, 0.2737



18.2485, 0.3162, 0.3092



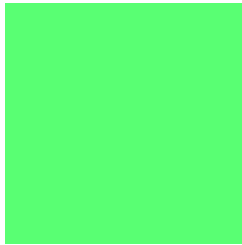
13.6911, 0.3651, 0.1785



1.3457, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 74.8817, 0.2938, 0.5120 looks on a white background.

Color Contrast Check

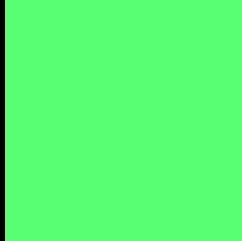
Large Text (above 18pt) WCAG AA × Fail

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 74.8817, 0.2938, 0.5120 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 74.8817, 0.2938, 0.5120

Background



This preview shows how black text looks on a background with the Yxy color 74.8817, 0.2938, 0.5120.

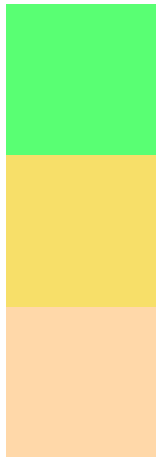


This preview shows how white text looks on a background with the Yxy color 74.8817, 0.2938, 0.5120.

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

74.8817, 0.2938, 0.5120

Protanopia

73.5694, 0.4081, 0.4462

Deuteranopia

73.2363, 0.3760, 0.3775



Tritanopia

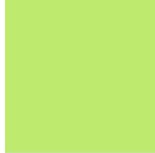
74.3888, 0.2508, 0.3093

Trichromacy



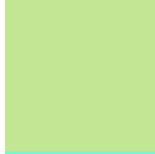
Original Color

74.8817, 0.2938, 0.5120



Protanomaly

71.4679, 0.3566, 0.4745



Deuteranomaly

70.3657, 0.3394, 0.4248



Tritanomaly

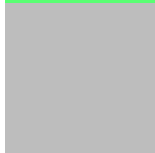
73.4210, 0.2669, 0.3790

Monochromacy



Original Color

74.8817, 0.2938, 0.5120



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9694, 0.3032, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8817, 0.2938, 0.5120 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(89, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 115)  
}
```

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(89, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 115) }
```

Border

The CSS property to change the border of an element to Yxy 74.8817, 0.2938, 0.5120 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(89, 255, 115) }
```

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

```
.border{ border-color:rgb(89, 255, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 255, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8817, 0.2938, 0.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 115) }
```

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

```
.background{ background-color: rgb(89, 255,  
115) }
```

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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