

Converting Colors

$Y_{xy}(75.9059, 0.2851, 0.4770)$

Have a look what the booklet for
Yxy(75.9059, 0.2851, 0.4770)
contains.

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Color

Yxy(75.9059, 0.2851, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	5FFF8E
RGB	95, 255, 142
RGB Percent	37%, 100%, 56%
CMY	0.6272, 0.0000, 0.4431
CMYK	0.63, 0.00, 0.44, 0.00
HSL	138°, 100%, 69%
HSV	138°, 63%, 100%
XYZ	45.3685, 75.9059, 37.8575
YIQ	194.2780, -59.0870, -69.0630

Conversions

Conversions Part 2

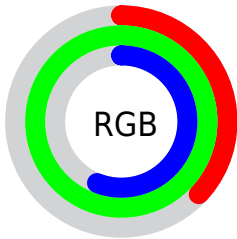
Format	Color
RYB	95, 219, 255
Decimal	6291342
CIELab	89.82, -65.34, 41.81
CIELCh	90, 77.572, 147.389
Yxy	75.9059, 0.2851, 0.4770
Android (android.graphics.Color)	4284481422 (0xFF5FFF8E)
YUV	194.2780, -25.7731, -87.0668
Hunter-Lab	87.1240, -59.5158, 35.2239

Details

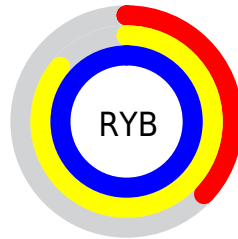
The Yxy color **75.9059, 0.2851, 0.4770** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **34.0146, 0.3683, 0.2208**, and the grayscale version is **54.3182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9221, 0.2881, 0.3973**, and **40.6707, 0.2766, 0.5158** is the 20% darker color. If you saturate the color by 10%, you get **74.2602, 0.2843, 0.5040**, and if you desaturate by 10%, it is **78.0921, 0.2874, 0.4495**.

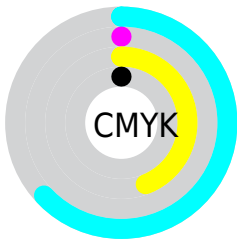
Distribution



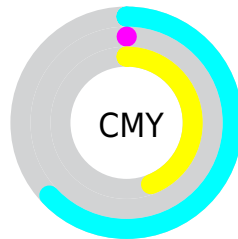
- Red (37%)
- Green (100%)
- Blue (56%)



- Red (37%)
- Yellow (86%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9059, 0.2851, 0.4770 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 75.9059, 0.2851, 0.4770 by changing the saturation by 10% instead.


 75.9059, 0.2851,
0.4770


 75.9059, 0.2851,
0.4770


481.0255, 0.3011,
0.4034

 56.3553, 0.2806,
0.4949

 127.5939, 0.2913,
0.4506

 40.4879, 0.2745,
0.5174


 160.5001, 0.2936,
0.4405

 27.9192, 0.2661,
0.5466


 198.6270, 0.2954,
0.4320

 18.2647, 0.2538,
0.5856

242.3590, 0.2969,
0.4247

 11.1402, 0.2348,
0.6393

292.0804, 0.2982,
0.4183

 6.1612, 0.2043,
0.7175


348.1757, 0.2993,


 2.9434, 0.1427,


0.4127


0.8573

411.0293, 0.3003,
0.4078


 1.1022, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 75.9059, 0.2851,
0.4770


 75.9059, 0.2851,
0.4770


 74.2602, 0.2843,
0.5040


 78.0921, 0.2874,
0.4495


 73.0960, 0.2852,
0.5291


 80.8527, 0.2909,
0.4226

 72.3568, 0.2877,
0.5509

 84.2296, 0.2954,
0.3971

 72.0244, 0.2901,
0.5643

 88.2580, 0.3004,
0.3737

 92.9705, 0.3058,
0.3525

 98.3975, 0.3112,
0.3337

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



75.9059, 0.3709, 0.4983



75.9059, 0.2851, 0.4770



75.9059, 0.2115, 0.3890

Triad

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



75.9059, 0.2851, 0.4770



75.9059, 0.1829, 0.1969



75.9059, 0.4805, 0.3316

Complementary

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



75.9059, 0.2851, 0.4770



34.0146, 0.3683, 0.2208

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.



75.9059, 0.4141, 0.2721



75.9059, 0.2851, 0.4770



75.9059, 0.2365, 0.1985

Square

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



75.9059, 0.2851, 0.4770



75.9059, 0.1604, 0.2252



75.9059, 0.3197, 0.2251



75.9059, 0.4898, 0.3961

Rectangle

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



75.9059, 0.2851, 0.4770



75.9059, 0.1792, 0.3208



75.9059, 0.3197, 0.2251



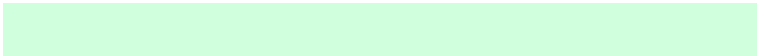
75.9059, 0.4640, 0.3109

Sweetspot

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



75.9090, 0.2851, 0.4770



89.9290, 0.3024, 0.3656



86.0018, 0.3688, 0.4932



18.9716, 0.3009, 0.3718



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.



75.9090, 0.2851, 0.4770



73.9550, 0.2844, 0.5099



79.1412, 0.2509, 0.3716



20.2559, 0.3075, 0.3462



37.6576, 0.2893, 0.5615



3.6847, 0.2832, 0.5394

Inverse Universe

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



34.0146, 0.3683, 0.2208



29.0158, 0.3835, 0.2086



31.0621, 0.4708, 0.2963



18.2041, 0.3183, 0.3124



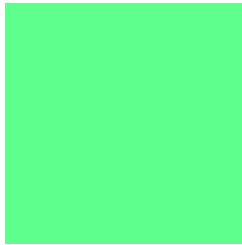
12.8612, 0.4124, 0.2046



1.2714, 0.3995, 0.1974

Previews

White Background



This preview shows how the Yxy color 75.9059, 0.2851, 0.4770 looks on a white background.

Color Contrast Check

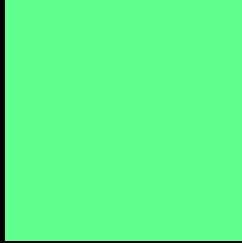
Large Text (above 18pt) WCAG AA × Fail

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 75.9059, 0.2851, 0.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

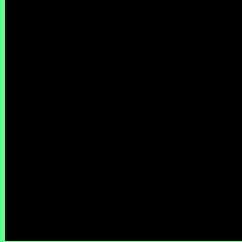
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9059, 0.2851, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 75.9059, 0.2851, 0.4770.

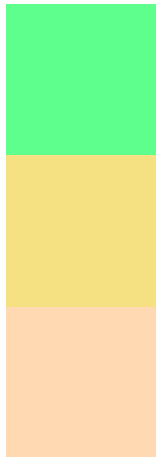


This preview shows how white text looks on a background with the Yxy color 75.9059, 0.2851, 0.4770.

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

75.9059, 0.2851, 0.4770

Protanopia

74.3355, 0.3915, 0.4259

Deuteranopia

74.1001, 0.3691, 0.3692



Tritanopia

74.9484, 0.2535, 0.3095

Trichromacy



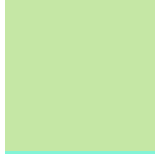
Original Color

75.9059, 0.2851, 0.4770



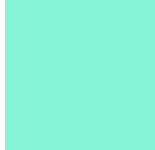
Protanomaly

72.0850, 0.3434, 0.4480



Deuteranomaly

71.7388, 0.3308, 0.4065



Tritanomaly

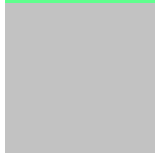
74.3817, 0.2648, 0.3658

Monochromacy



Original Color

75.9059, 0.2851, 0.4770



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4760, 0.2984, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9059, 0.2851, 0.4770 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(95, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(95, 255, 142)  
}
```

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(95, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 255, 142) }
```

Border

The CSS property to change the border of an element to Yxy 75.9059, 0.2851, 0.4770 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(95, 255, 142) }
```

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

```
.border{ border-color:rgb(95, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(95, 255,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9059, 0.2851, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 255, 142) }
```

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

```
.background{ background-color: rgb(95, 255,  
142) }
```

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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