

Converting Colors

$Yxy(75.0427, 0.2898, 0.5044)$

Have a look what the booklet for
Yxy(75.0427, 0.2898, 0.5044)
contains.

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Color

Yxy(74.8564, 0.2898, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	55FF7A
RGB	85, 255, 122
RGB Percent	33%, 100%, 48%
CMY	0.6662, 0.0000, 0.5217
CMYK	0.67, 0.00, 0.52, 0.00
HSL	133°, 100%, 67%
HSV	133°, 67%, 100%
XYZ	43.0254, 74.8564, 30.5839
YIQ	189.0080, -58.6270, -77.4030

Conversions

Conversions Part 2

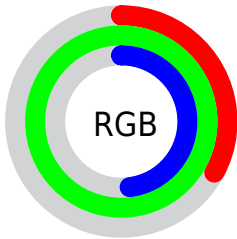
Format	Color
RYB	85, 225, 255
Decimal	5635962
CIELab	89.33, -70.08, 50.62
CIELCh	89, 86.445, 144.160
Yxy	74.8564, 0.2898, 0.5042
Android (android.graphics.Color)	4283826042 (0xFF55FF7A)
YUV	189.0080, -33.0349, -91.2150
Hunter-Lab	86.5196, -62.6430, 39.6052

Details

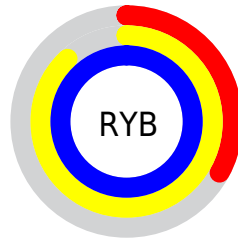
The Yxy color **74.8564, 0.2898, 0.5042** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **32.8438, 0.3578, 0.2056**, and the grayscale version is **51.1292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3697, 0.2945, 0.4231**, and **40.3622, 0.2854, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **73.4265, 0.2897, 0.5318**, and if you desaturate by 10%, it is **76.8241, 0.2912, 0.4746**.

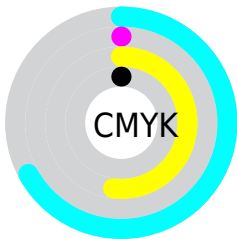
Distribution



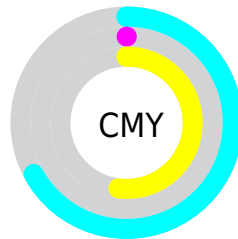
- Red (33%)
- Green (100%)
- Blue (48%)



- Red (33%)
- Yellow (88%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8564, 0.2898, 0.5042 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 74.8564, 0.2898, 0.5042 by changing the saturation by 10% instead.

 74.8564, 0.2898,
0.5042

 74.8564, 0.2898,
0.5042


477.4239, 0.3051,
0.4166


 55.4953, 0.2850,
0.5254


 126.1091, 0.2962,
0.4727

 39.7984, 0.2783,
0.5521


 158.7694, 0.2983,
0.4608

 27.3814, 0.2687,
0.5862

 196.6315, 0.3000,
0.4506

 17.8599, 0.2542,
0.6311

 240.0799, 0.3014,
0.4419

 10.8494, 0.2312,
0.6910

289.4990, 0.3026,
0.4343

 5.9657, 0.2004,
0.7996


345.2731, 0.3036,

 2.8242, 0.1026,


0.4277


0.8974

407.7865, 0.3044,
0.4218


 1.0407, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.8564, 0.2898,
0.5042


 74.8564, 0.2898,
0.5042


 73.4265, 0.2897,
0.5318


 76.8241, 0.2912,
0.4746


 72.4701, 0.2910,
0.5558


 79.3675, 0.2938,
0.4446


 71.9225, 0.2935,
0.5746

 82.5316, 0.2972,
0.4157

 71.7973, 0.2944,
0.5797

 86.3543, 0.3012,
0.3886

 90.8705, 0.3055,
0.3640

 96.1125, 0.3098,
0.3421

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



74.8564, 0.3836, 0.5149



74.8564, 0.2898, 0.5042



74.8564, 0.2071, 0.4091

Triad

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



74.8564, 0.2898, 0.5042



74.8564, 0.1666, 0.1859



74.8564, 0.4949, 0.3220

Complementary

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



74.8564, 0.2898, 0.5042



32.8438, 0.3578, 0.2056

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.



74.8564, 0.4150, 0.2595



74.8564, 0.2898, 0.5042



74.8564, 0.2203, 0.1851

Square

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



74.8564, 0.2898, 0.5042



74.8564, 0.1460, 0.2191



74.8564, 0.3085, 0.2110



74.8564, 0.5104, 0.3910

Rectangle

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



74.8564, 0.2898, 0.5042



74.8564, 0.1700, 0.3300



74.8564, 0.3085, 0.2110



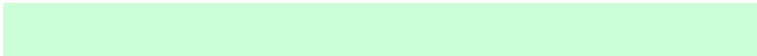
74.8564, 0.4743, 0.3002

Sweetspot

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



74.8595, 0.2898, 0.5042



89.2670, 0.3040, 0.3721



87.1107, 0.3784, 0.4966



18.8343, 0.3028, 0.3790



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.



74.8595, 0.2898, 0.5042



73.0548, 0.2900, 0.5404



77.9533, 0.2538, 0.3897



20.2327, 0.3086, 0.3481



37.5343, 0.2937, 0.5774



3.6699, 0.2881, 0.5573

Inverse Universe

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



32.8438, 0.3578, 0.2056



28.3177, 0.3695, 0.1932



29.4750, 0.4704, 0.2844



18.2289, 0.3171, 0.3106



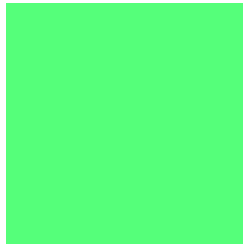
13.3029, 0.3849, 0.1894



1.3112, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 74.8564, 0.2898, 0.5042 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 74.8564, 0.2898, 0.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

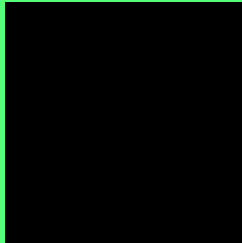
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

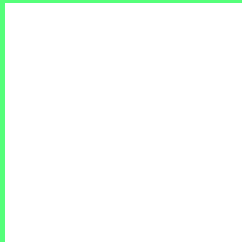
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8564, 0.2898, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 74.8564, 0.2898, 0.5042.

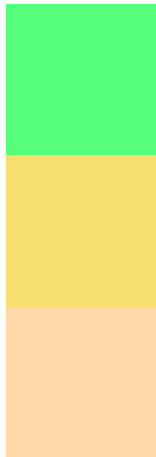


This preview shows how white text looks on a background with the Yxy color 74.8564, 0.2898, 0.5042.

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

74.8564, 0.2898, 0.5042

Protanopia

73.5159, 0.4041, 0.4416

Deuteranopia

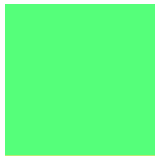
73.2740, 0.3753, 0.3764



Tritanopia

74.2984, 0.2503, 0.3093

Trichromacy



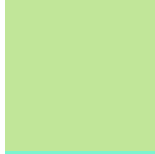
Original Color

74.8564, 0.2898, 0.5042



Protanomaly

71.2193, 0.3514, 0.4696



Deuteranomaly

70.2310, 0.3355, 0.4205



Tritanomaly

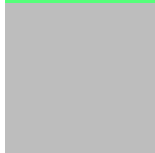
73.4173, 0.2646, 0.3752

Monochromacy



Original Color

74.8564, 0.2898, 0.5042



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.8844, 0.2999, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8564, 0.2898, 0.5042 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(85, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 122)  
}
```

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(85, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 74.8564, 0.2898, 0.5042 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(85, 255, 122) }
```

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

```
.border{ border-color:rgb(85, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8564, 0.2898, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 122) }
```

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

```
.background{ background-color: rgb(85, 255,  
122) }
```

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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