

Converting Colors

$Y_{xy}(75.2832, 0.2860, 0.4892)$

Have a look what the booklet for
Yxy(75.2832, 0.2860, 0.4892)
contains.

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Color

Yxy(75.3159, 0.2860, 0.4885)

Conversions

Conversions Part 1

Format	Color
Hex	58FF86
RGB	88, 255, 134
RGB Percent	35%, 100%, 53%
CMY	0.6545, 0.0000, 0.4745
CMYK	0.65, 0.00, 0.47, 0.00
HSL	137°, 100%, 67%
HSV	137°, 65%, 100%
XYZ	44.0949, 75.3159, 34.7671
YIQ	191.2730, -60.6910, -73.0350

Conversions

Conversions Part 2

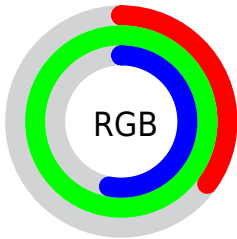
Format	Color
RYB	88, 219, 255
Decimal	5832582
CIELab	89.54, -67.85, 45.27
CIELCh	90, 81.564, 146.290
Yxy	75.3159, 0.2860, 0.4885
Android (android.graphics.Color)	4284022662 (0xFF58FF86)
YUV	191.2730, -28.2356, -90.5704
Hunter-Lab	86.7847, -61.1784, 36.9970

Details

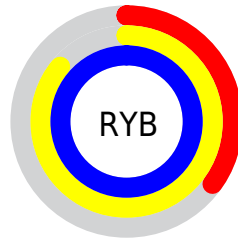
The Yxy color **75.3159, 0.2860, 0.4885** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **32.8649, 0.3680, 0.2150**, and the grayscale version is **52.4787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0641, 0.2896, 0.4078**, and **40.5417, 0.2801, 0.5285** is the 20% darker color. If you saturate the color by 10%, you get **73.8113, 0.2857, 0.5155**, and if you desaturate by 10%, it is **77.3519, 0.2878, 0.4604**.

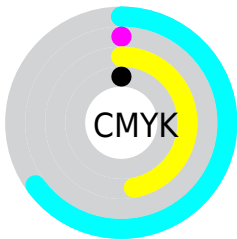
Distribution



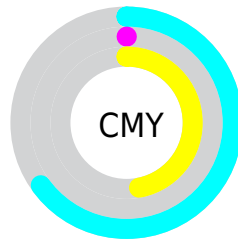
- Red (35%)
- Green (100%)
- Blue (53%)



- Red (35%)
- Yellow (86%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3159, 0.2860, 0.4885 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 75.3159, 0.2860, 0.4885 by changing the saturation by 10% instead.


 75.3159, 0.2860,
0.4885

 75.3159, 0.2860,
0.4885


479.0027, 0.3022,
0.4089

 55.8717, 0.2813,
0.5078


 126.7594, 0.2924,
0.4599


 40.1001, 0.2748,
0.5322

 159.5276, 0.2947,
0.4490

 27.6166, 0.2658,
0.5637


 197.5058, 0.2965,
0.4398

 18.0368, 0.2525,
0.6055

 241.0786, 0.2981,
0.4319

 10.9764, 0.2317,
0.6625

290.6303, 0.2993,
0.4250

 6.0510, 0.2000,
0.7509

346.5452, 0.3004,

 2.8761, 0.1220,

0.4190

0.8780

409.2079, 0.3014,
0.4137

■ 1.0674, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.3159, 0.2860,
0.4885

■ 75.3159, 0.2860,
0.4885

■ 73.8113, 0.2857,
0.5155

■ 77.3519, 0.2878,
0.4604

■ 72.7767, 0.2870,
0.5399

■ 79.9553, 0.2909,
0.4326


■ 72.1510, 0.2898,
0.5605

■ 83.1692, 0.2950,
0.4059

■ 71.9615, 0.2912,
0.5685

■ 87.0302, 0.2996,
0.3813

 91.5717, 0.3047,
0.3589

 96.8251, 0.3099,
0.3389

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



75.3159, 0.3756, 0.5064



75.3159, 0.2860, 0.4885



75.3159, 0.2085, 0.3964

Triad

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



75.3159, 0.2860, 0.4885



75.3159, 0.1759, 0.1916



75.3159, 0.4878, 0.3282

Complementary

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



75.3159, 0.2860, 0.4885



32.8649, 0.3680, 0.2150

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.



75.3159, 0.4160, 0.2671



75.3159, 0.2860, 0.4885



75.3159, 0.2301, 0.1925

Square

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



75.3159, 0.2860, 0.4885



75.3159, 0.1538, 0.2217



75.3159, 0.3161, 0.2192



75.3159, 0.4990, 0.3950

Rectangle

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



75.3159, 0.2860, 0.4885



75.3159, 0.1744, 0.3233



75.3159, 0.3161, 0.2192



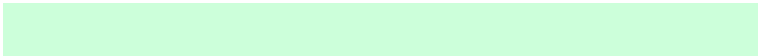
75.3159, 0.4697, 0.3069

Sweetspot

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



75.3190, 0.2860, 0.4885



89.4206, 0.3024, 0.3688



85.9982, 0.3720, 0.4979



18.8705, 0.3010, 0.3751



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.



75.3190, 0.2860, 0.4885



73.3949, 0.2860, 0.5245



78.5585, 0.2507, 0.3774



20.2502, 0.3078, 0.3467



37.6241, 0.2905, 0.5657



3.6808, 0.2844, 0.5439

Inverse Universe

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



32.8649, 0.3680, 0.2150



28.0081, 0.3836, 0.2030



29.7900, 0.4778, 0.2931



18.2101, 0.3180, 0.3119



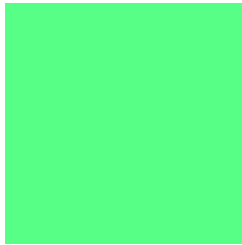
12.9629, 0.4056, 0.2008



1.2806, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 75.3159, 0.2860, 0.4885 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 75.3159, 0.2860, 0.4885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

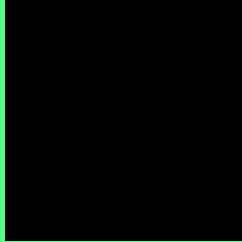
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3159, 0.2860, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 75.3159, 0.2860, 0.4885.

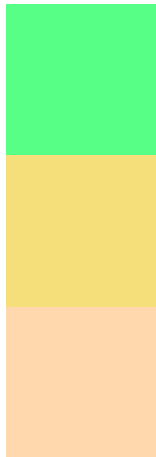


This preview shows how white text looks on a background with the Yxy color 75.3159, 0.2860, 0.4885.

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

75.3159, 0.2860, 0.4885

Protanopia

73.6179, 0.3963, 0.4315

Deuteranopia

73.4277, 0.3724, 0.3723



Tritanopia

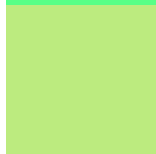
74.5721, 0.2517, 0.3094

Trichromacy



Original Color

75.3159, 0.2860, 0.4885



Protanomaly

71.6403, 0.3458, 0.4564



Deuteranomaly

70.5662, 0.3326, 0.4132



Tritanomaly

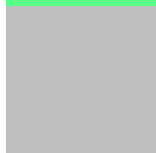
73.8401, 0.2640, 0.3698

Monochromacy



Original Color

75.3159, 0.2860, 0.4885



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.8654, 0.2988, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3159, 0.2860, 0.4885 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(88, 255, 134)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 134)  
}
```

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(88, 255, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 134) }
```

Border

The CSS property to change the border of an element to Yxy 75.3159, 0.2860, 0.4885 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(88, 255, 134) }
```

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

```
.border{ border-color:rgb(88, 255, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3159, 0.2860, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 134) }
```

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

```
.background{ background-color: rgb(88, 255,  
134) }
```

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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