

Converting Colors

Yxy(85.2326, 0.3740, 0.5090)

Have a look what the booklet for
Yxy(85.2326, 0.3740, 0.5090)
contains.

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Color

Yxy(85.2798, 0.3742, 0.5087)

Conversions

Conversions Part 1

Format	Color
Hex	CFFF4A
RGB	207, 255, 74
RGB Percent	81%, 100%, 29%
CMY	0.1882, 0.0000, 0.7098
CMYK	0.19, 0.00, 0.71, 0.00
HSL	76°, 100%, 65%
HSV	76°, 71%, 100%
XYZ	62.7319, 85.2798, 19.6310
YIQ	220.0140, 29.4930, -66.4670

Conversions

Conversions Part 2

Format	Color
RYB	74, 255, 122
Decimal	13631306
CIELab	94.00, -38.82, 76.68
CIELCh	94, 85.943, 116.854
Yxy	85.2798, 0.3742, 0.5087
Android (android.graphics.Color)	4291821386 (0xFFCFFF4A)
YUV	220.0140, -71.9849, -11.4133
Hunter-Lab	92.3471, -40.3513, 52.0392

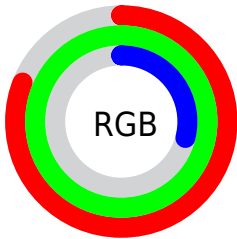
Details

The Yxy color **85.2798, 0.3742, 0.5087** is a light color, and the websafe version is hex **CCFF33**.

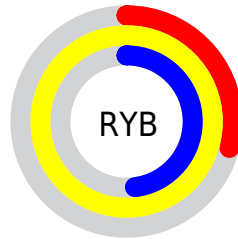
The color can be described as light washed yellow. A complement of this color would be **16.2529, 0.2023, 0.1153**, and the grayscale version is **72.0806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **46.6841, 0.3751, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **84.0526, 0.3759, 0.5248**, and if you desaturate by 10%, it is **86.6932, 0.3700, 0.4881**.

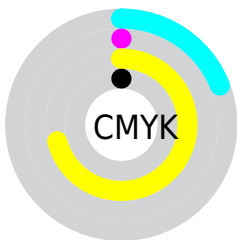
Distribution



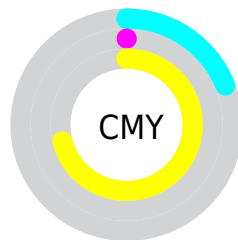
- Red (81%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (48%)



- Cyan (19%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2798, 0.3742, 0.5087 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 85.2798, 0.3742, 0.5087 by changing the saturation by 10% instead.


 85.2798, 0.3742,
0.5087


 85.2798, 0.3742,
0.5087


512.5535, 0.3538,
0.4274

 64.0726, 0.3764,
0.5256

 140.7640, 0.3691,
0.4816


 46.7095, 0.3778,
0.5453


 175.8099, 0.3665,
0.4707

 32.8060, 0.3775,
0.5683


 216.2373, 0.3640,
0.4612

 21.9779, 0.3739,
0.5947

 262.4309, 0.3617,
0.4527

 13.8407, 0.3685,
0.6315

 314.7749, 0.3595,
0.4453

 8.0099, 0.3438,
0.6562

373.6537, 0.3574,

 4.1013, 0.3066,

0.4387

0.6934

439.4518, 0.3555,
0.4327

■ 1.7304, 0.2330,
0.7670

■ 0.4432, 0.0000,
1.0000

■ 85.2798, 0.3742,
0.5087

■ 85.2798, 0.3742,
0.5087

■ 84.0526, 0.3759,
0.5248

■ 86.6932, 0.3700,
0.4881


■ 82.9851, 0.3749,
0.5361


■ 88.3003, 0.3634,
0.4642


■ 82.1358, 0.3723,
0.5426


■ 90.1174, 0.3551,
0.4379

■ 92.1565, 0.3455,
0.4105

 94.4290, 0.3351,
0.3832

 96.9449, 0.3244,
0.3566

 99.7140, 0.3137,
0.3314

 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.



85.2798, 0.4537, 0.4634



85.2798, 0.3742, 0.5087



85.2798, 0.2839, 0.4893

Triad

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



85.2798, 0.3742, 0.5087



85.2798, 0.1526, 0.2196



85.2798, 0.4189, 0.2675

Complementary

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



85.2798, 0.3742, 0.5087



16.2529, 0.2023, 0.1153

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.



85.2798, 0.3179, 0.2189



85.2798, 0.3742, 0.5087



85.2798, 0.1754, 0.1902

Square

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



85.2798, 0.3742, 0.5087



85.2798, 0.1617, 0.2887



85.2798, 0.2306, 0.1916



85.2798, 0.4905, 0.3292

Rectangle

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



85.2798, 0.3742, 0.5087



85.2798, 0.2291, 0.4317



85.2798, 0.2306, 0.1916



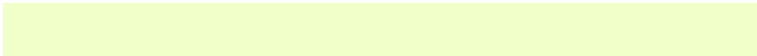
85.2798, 0.3861, 0.2494

Sweetspot

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



85.2825, 0.3742, 0.5087



94.4247, 0.3351, 0.3832



35.0068, 0.5182, 0.3694



20.0714, 0.3380, 0.3907



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.



85.2825, 0.3742, 0.5087



83.6054, 0.3758, 0.5300



75.9538, 0.3203, 0.5450



20.8343, 0.3228, 0.3528



42.9943, 0.3731, 0.5420



4.2395, 0.3785, 0.5376

Inverse Universe

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



16.2529, 0.2023, 0.1153



11.0932, 0.1809, 0.0852



25.7818, 0.2767, 0.1518



17.6105, 0.3020, 0.3047



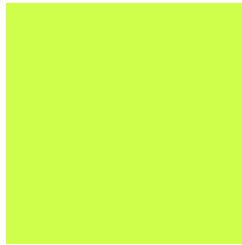
4.4686, 0.1659, 0.0688



0.4856, 0.1771, 0.0749

Previews

White Background



This preview shows how the Yxy color 85.2798, 0.3742, 0.5087 looks on a white background.

Color Contrast Check

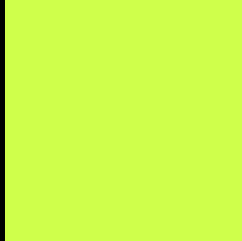
Large Text (above 18pt) WCAG AA × Fail

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 85.2798, 0.3742, 0.5087 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 85.2798, 0.3742, 0.5087

Background



This preview shows how black text looks on a background with the Yxy color 85.2798, 0.3742, 0.5087.

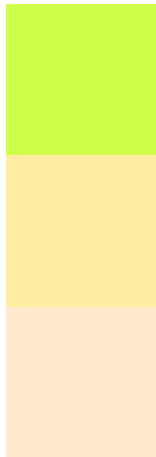


This preview shows how white text looks on a background with the Yxy color 85.2798, 0.3742, 0.5087.

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

85.2798, 0.3742, 0.5087

Protanopia

84.4370, 0.3737, 0.4043

Deuteranopia

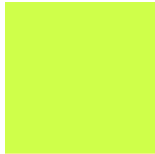
84.6597, 0.3442, 0.3551



Tritanopia

84.8631, 0.2962, 0.3117

Trichromacy



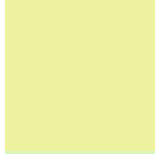
Original Color

85.2798, 0.3742, 0.5087



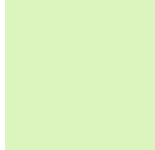
Protanomaly

84.4902, 0.3775, 0.4452



Deuteranomaly

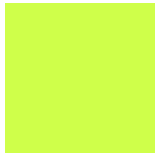
84.1846, 0.3616, 0.4154



Tritanomaly

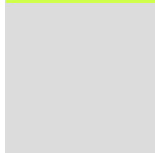
83.5911, 0.3302, 0.3885

Monochromacy



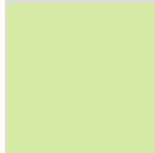
Original Color

85.2798, 0.3742, 0.5087



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.5149, 0.3422, 0.4029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2798, 0.3742, 0.5087 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(207, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 74)  
}
```

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(207, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 74) }
```

Border

The CSS property to change the border of an element to Yxy 85.2798, 0.3742, 0.5087 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(207, 255, 74) }
```

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

```
.border{ border-color:rgb(207, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2798, 0.3742, 0.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 74) }
```

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

```
.background{ background-color: rgb(207,  
255, 74) }
```

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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