

Converting Colors

$Y_{xy}(85.5580, 0.3850, 0.5222)$

Have a look what the booklet for
Yxy(85.5580, 0.3850, 0.5222)
contains.

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Color

Yxy(85.5221, 0.3848, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	D3FF28
RGB	211, 255, 40
RGB Percent	83%, 100%, 16%
CMY	0.1728, 0.0000, 0.8432
CMYK	0.17, 0.00, 0.84, 0.00
HSL	72°, 100%, 58%
HSV	72°, 84%, 100%
XYZ	62.9956, 85.5221, 15.1923
YIQ	217.3340, 42.7910, -76.1930

Conversions

Conversions Part 2

Format	Color
RYB	40, 255, 84
Decimal	13893416
CIELab	94.11, -38.66, 86.11
CIELCh	94, 94.389, 114.180
Yxy	85.5221, 0.3848, 0.5224
Android (android.graphics.Color)	4292083496 (0xFFD3FF28)
YUV	217.3340, -87.4257, -5.5549
Hunter-Lab	92.4782, -40.2436, 54.9946

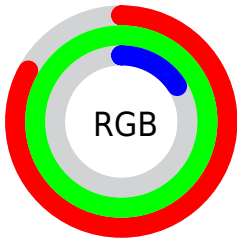
Details

The Yxy color **85.5221, 0.3848, 0.5224** is a light color, and the websafe version is hex **CCFF33**.

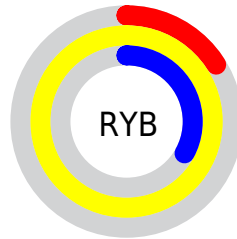
The color can be described as light washed yellow. A complement of this color would be **10.6232, 0.1748, 0.0826**, and the grayscale version is **70.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **46.9675, 0.3777, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **84.6352, 0.3841, 0.5310**, and if you desaturate by 10%, it is **86.5325, 0.3830, 0.5091**.

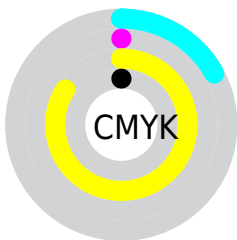
Distribution



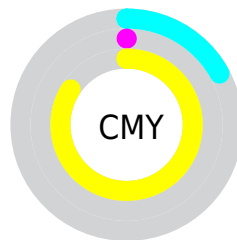
- Red (83%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (33%)



- Cyan (17%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5221, 0.3848, 0.5224 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 85.5221, 0.3848, 0.5224 by changing the saturation by 10% instead.


 85.5221, 0.3848,
0.5224


 85.5221, 0.3848,
0.5224


513.3541, 0.3620,
0.4370

 64.2729, 0.3868,
0.5393


 141.1024, 0.3794,
0.4946

 46.8717, 0.3876,
0.5585


 176.2023, 0.3766,
0.4832


 32.9343, 0.3861,
0.5801


 216.6878, 0.3738,
0.4731

 22.0761, 0.3813,
0.6049

 262.9433, 0.3711,
0.4642

 13.9128, 0.3692,
0.6308

 315.3534, 0.3686,
0.4563

 8.0601, 0.3447,
0.6553


374.3022, 0.3662,

 4.1334, 0.3078,


0.4491


0.6922


440.1743, 0.3640,
0.4428


 1.7485, 0.2362,
0.7638


 0.4547, 0.0000,
1.0000

 85.5221, 0.3848,
0.5224


 85.5221, 0.3848,
0.5224


 84.6352, 0.3841,
0.5310

 86.5325, 0.3830,
0.5091

 84.1821, 0.3828,
0.5342


 87.7096, 0.3785,
0.4912


 89.0616, 0.3716,
0.4695

 90.6025, 0.3627,
0.4449

 92.3446, 0.3524,
0.4186

 94.2990, 0.3411,
0.3917

 96.4761, 0.3294,
0.3652

 98.8853, 0.3177,
0.3396

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.



85.5221, 0.4694, 0.4652



85.5221, 0.3848, 0.5224



85.5221, 0.2878, 0.5131

Triad

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



85.5221, 0.3848, 0.5224



85.5221, 0.1406, 0.2144



85.5221, 0.4194, 0.2567

Complementary

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



85.5221, 0.3848, 0.5224



10.6232, 0.1748, 0.0826

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.



85.5221, 0.3081, 0.2070



85.5221, 0.3848, 0.5224



85.5221, 0.1617, 0.1808

Square

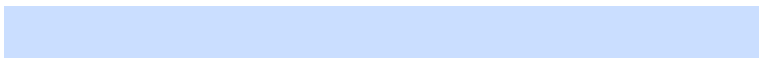
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5221, 0.3848, 0.5224



85.5221, 0.1524, 0.2924



85.5221, 0.2168, 0.1803



85.5221, 0.5028, 0.3208

Rectangle

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



85.5221, 0.3848, 0.5224



85.5221, 0.2278, 0.4533



85.5221, 0.2168, 0.1803



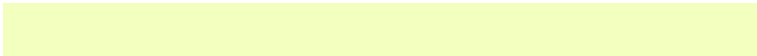
85.5221, 0.3825, 0.2380

Sweetspot

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



85.5142, 0.3848, 0.5224



94.1590, 0.3419, 0.3936



27.5979, 0.5785, 0.3571



20.0027, 0.3459, 0.4030



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.



85.5142, 0.3848, 0.5224



84.1821, 0.3828, 0.5342



74.6456, 0.3205, 0.5709



20.8918, 0.3237, 0.3527



44.0525, 0.3834, 0.5337



4.3344, 0.3877, 0.5303

Inverse Universe

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



10.6232, 0.1748, 0.0826



7.9566, 0.1589, 0.0649



19.7478, 0.2571, 0.1264



17.5570, 0.3011, 0.3046



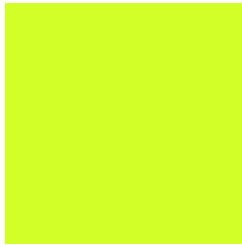
4.2075, 0.1601, 0.0656



0.4534, 0.1700, 0.0710

Previews

White Background



This preview shows how the Yxy color 85.5221, 0.3848, 0.5224 looks on a white background.

Color Contrast Check

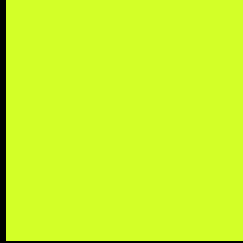
Large Text (above 18pt) WCAG AA × Fail

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 85.5221, 0.3848, 0.5224 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 85.5221, 0.3848, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 85.5221, 0.3848, 0.5224.

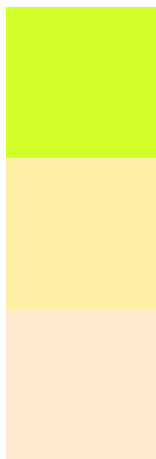


This preview shows how white text looks on a background with the Yxy color 85.5221, 0.3848, 0.5224.

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

85.5221, 0.3848, 0.5224

Protanopia

85.0534, 0.3727, 0.4042

Deuteranopia

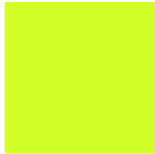
84.6597, 0.3442, 0.3551



Tritanopia

84.9442, 0.2987, 0.3109

Trichromacy



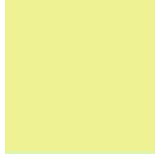
Original Color

85.5221, 0.3848, 0.5224



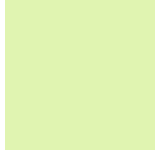
Protanomaly

84.3601, 0.3844, 0.4554



Deuteranomaly

83.9616, 0.3694, 0.4272



Tritanomaly

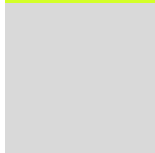
83.7230, 0.3402, 0.4010

Monochromacy



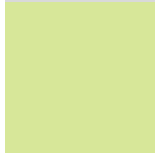
Original Color

85.5221, 0.3848, 0.5224



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.8988, 0.3515, 0.4167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5221, 0.3848, 0.5224 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(211, 255, 40)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 40)  
}
```

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(211, 255, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 40) }
```

Border

The CSS property to change the border of an element to Yxy 85.5221, 0.3848, 0.5224 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(211, 255, 40) }
```

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

```
.border{ border-color:rgb(211, 255, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 40);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5221, 0.3848, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 40) }
```

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

```
.background{ background-color: rgb(211,  
255, 40) }
```

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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