

Converting Colors

$Yxy(85.8787, 0.3878, 0.5230)$

Have a look what the booklet for
Yxy(85.8787, 0.3878, 0.5230)
contains.

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Color

Yxy(85.9259, 0.3880, 0.5228)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF21
RGB	214, 255, 33
RGB Percent	84%, 100%, 13%
CMY	0.1607, 0.0000, 0.8707
CMYK	0.16, 0.00, 0.87, 0.00
HSL	71°, 100%, 56%
HSV	71°, 87%, 100%
XYZ	63.7706, 85.9259, 14.6607
YIQ	217.4330, 46.8260, -77.7340

Conversions

Conversions Part 2

Format	Color
R_{YB}	33, 255, 74
Decimal	14090017
CIE Lab	94.28, -37.63, 87.63
CIE LCh	94, 95.367, 113.238
Yxy	85.9259, 0.3880, 0.5228
Android (android.graphics.Color)	4292280097 (0xFFD6FF21)
YUV	217.4330, -90.9255, -3.0107
Hunter-Lab	92.6962, -39.4189, 55.5102

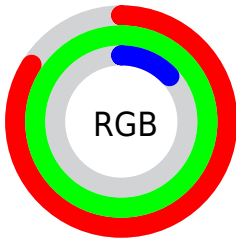
Details

The Yxy color **85.9259, 0.3880, 0.5228** is a light color, and the websafe version is hex **CCFF00**.

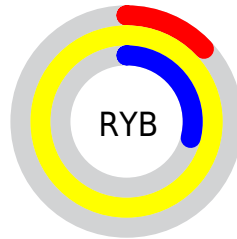
The color can be described as light washed yellow. A complement of this color would be **9.7610, 0.1692, 0.0771**, and the grayscale version is **70.3167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **47.2582, 0.3803, 0.5362** is the 20% darker color. If you saturate the color by 10%, you get **85.1377, 0.3870, 0.5298**, and if you desaturate by 10%, it is **86.8484, 0.3865, 0.5112**.

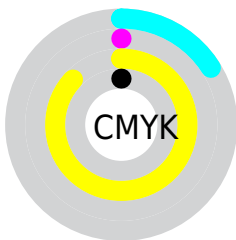
Distribution



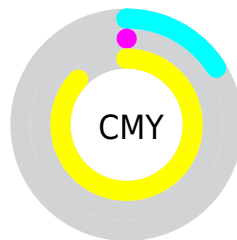
- Red (84%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (29%)



- Cyan (16%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9259, 0.3880, 0.5228 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 85.9259, 0.3880, 0.5228 by changing the saturation by 10% instead.

 85.9259, 0.3880,
0.5228


 85.9259, 0.3880,
0.5228


514.6868, 0.3641,
0.4378

 64.6067, 0.3901,
0.5394

 141.6661, 0.3823,
0.4953

 47.1422, 0.3911,
0.5582


 176.8558, 0.3794,
0.4840


 33.1481, 0.3897,
0.5791


 217.4379, 0.3765,
0.4740

 22.2399, 0.3853,
0.6034

 263.7967, 0.3737,
0.4651

 14.0333, 0.3728,
0.6272

 316.3166, 0.3710,
0.4571

 8.1438, 0.3491,
0.6509


375.3820, 0.3686,


 4.1871, 0.3136,


0.4500


0.6864


441.3773, 0.3662,
0.4436


 1.7788, 0.2472,
0.7528


 0.4739, 0.0000,
1.0000


 85.9259, 0.3880,
0.5228


 85.9259, 0.3880,
0.5228

 85.1377, 0.3870,
0.5298


 86.8484, 0.3865,
0.5112

 84.9204, 0.3864,
0.5314


 87.9170, 0.3824,
0.4950


 89.1517, 0.3758,
0.4746

 90.5668, 0.3670,
0.4511

 92.1751, 0.3566,
0.4255

 93.9879, 0.3452,
0.3989

 96.0157, 0.3332,
0.3723

 98.2681, 0.3211,
0.3465

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.



85.9259, 0.4726, 0.4636



85.9259, 0.3880, 0.5228



85.9259, 0.2904, 0.5168

Triad

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



85.9259, 0.3880, 0.5228



85.9259, 0.1394, 0.2152



85.9259, 0.4168, 0.2543

Complementary

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



85.9259, 0.3880, 0.5228



9.7610, 0.1692, 0.0771

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.



85.9259, 0.3046, 0.2049



85.9259, 0.3880, 0.5228



85.9259, 0.1595, 0.1803

Square

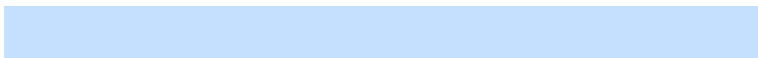
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9259, 0.3880, 0.5228



85.9259, 0.1523, 0.2952



85.9259, 0.2137, 0.1789



85.9259, 0.5027, 0.3184

Rectangle

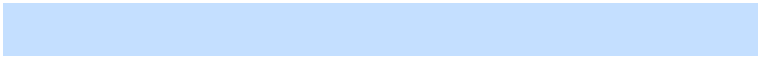
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9259, 0.3880, 0.5228



85.9259, 0.2296, 0.4582



85.9259, 0.2137, 0.1789



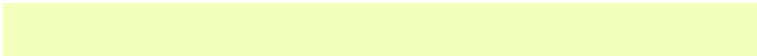
85.9259, 0.3795, 0.2357

Sweetspot

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



85.9291, 0.3880, 0.5228



94.1936, 0.3439, 0.3961



26.2253, 0.5910, 0.3527



20.0201, 0.3480, 0.4053



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.



85.9291, 0.3880, 0.5228



84.9204, 0.3864, 0.5314



74.5303, 0.3209, 0.5741



20.9113, 0.3240, 0.3527



44.4337, 0.3870, 0.5309



4.3683, 0.3909, 0.5278

Inverse Universe

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



9.7610, 0.1692, 0.0771



7.8259, 0.1574, 0.0641



18.5830, 0.2514, 0.1212



17.5390, 0.3007, 0.3046



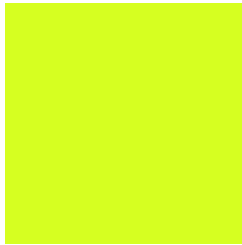
4.1352, 0.1584, 0.0646



0.4438, 0.1679, 0.0699

Previews

White Background



This preview shows how the Yxy color 85.9259, 0.3880, 0.5228 looks on a white background.

Color Contrast Check

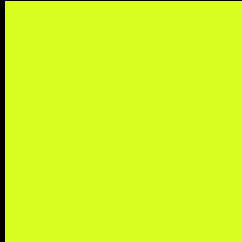
Large Text (above 18pt) WCAG AA × Fail

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 85.9259, 0.3880, 0.5228 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 85.9259, 0.3880, 0.5228

Background



This preview shows how black text looks on a background with the Yxy color 85.9259, 0.3880, 0.5228.



This preview shows how white text looks on a background with the Yxy color 85.9259, 0.3880, 0.5228.

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

85.9259, 0.3880, 0.5228

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

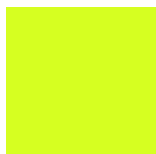
85.3298, 0.3427, 0.3541



Tritanopia

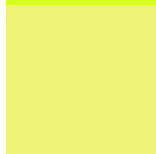
85.2808, 0.2999, 0.3109

Trichromacy



Original Color

85.9259, 0.3880, 0.5228



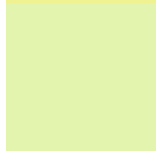
Protanomaly

84.5346, 0.3852, 0.4550



Deuteranomaly

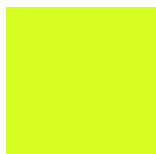
84.1048, 0.3707, 0.4279



Tritanomaly

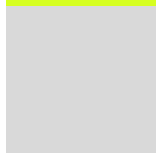
84.0883, 0.3441, 0.4038

Monochromacy



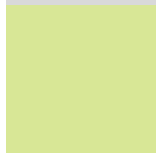
Original Color

85.9259, 0.3880, 0.5228



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.9528, 0.3542, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9259, 0.3880, 0.5228 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(214, 255, 33)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 33)  
}
```

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(214, 255, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 33) }
```

Border

The CSS property to change the border of an element to Yxy 85.9259, 0.3880, 0.5228 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(214, 255, 33) }
```

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

```
.border{ border-color:rgb(214, 255, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9259, 0.3880, 0.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 33) }
```

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

```
.background{ background-color: rgb(214,  
255, 33) }
```

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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