

Converting Colors

$Yxy(86.0574, 0.3851, 0.5168)$

Have a look what the booklet for
Yxy(86.0574, 0.3851, 0.5168)
contains.

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Color

Yxy(86.0552, 0.3849, 0.5168)

Conversions

Conversions Part 1

Format	Color
Hex	D6FF33
RGB	214, 255, 51
RGB Percent	84%, 100%, 20%
CMY	0.1607, 0.0000, 0.7998
CMYK	0.16, 0.00, 0.80, 0.00
HSL	72°, 100%, 60%
HSV	72°, 80%, 100%
XYZ	64.0918, 86.0552, 16.3685
YIQ	219.4850, 41.0480, -72.1360

Conversions

Conversions Part 2

Format	Color
RYB	51, 255, 92
Decimal	14090035
CIELab	94.34, -37.13, 83.89
CIELCh	94, 91.741, 113.875
Yxy	86.0552, 0.3849, 0.5168
Android (android.graphics.Color)	4292280115 (0xFFD6FF33)
YUV	219.4850, -83.0631, -4.8103
Hunter-Lab	92.7659, -39.0151, 54.4745

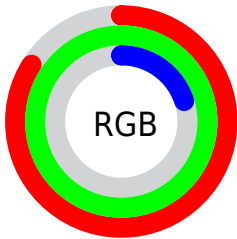
Details

The Yxy color **86.0552, 0.3849, 0.5168** is a light color, and the websafe version is hex **CCFF33**.

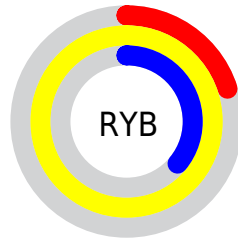
The color can be described as light washed yellow. A complement of this color would be **11.8689, 0.1803, 0.0905**, and the grayscale version is **71.7660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **47.3567, 0.3812, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **85.1309, 0.3853, 0.5273**, and if you desaturate by 10%, it is **87.1303, 0.3818, 0.5015**.

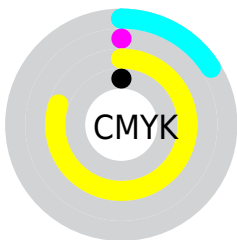
Distribution



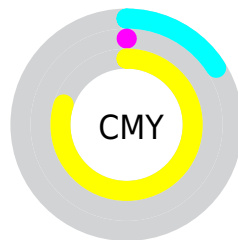
- Red (84%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (36%)



- Cyan (16%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0552, 0.3849, 0.5168 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 86.0552, 0.3849, 0.5168 by changing the saturation by 10% instead.


 86.0552, 0.3849,
0.5168


 86.0552, 0.3849,
0.5168


515.1132, 0.3613,
0.4337


 64.7136, 0.3873,
0.5334

 141.8465, 0.3791,
0.4897


 47.2289, 0.3886,
0.5523


 177.0650, 0.3761,
0.4786

 33.2166, 0.3880,
0.5737


 217.6780, 0.3733,
0.4688

 22.2925, 0.3839,
0.5977

 264.0698, 0.3706,
0.4601

 14.0720, 0.3745,
0.6255

 316.6248, 0.3680,
0.4524

 8.1707, 0.3512,
0.6488

375.7275, 0.3656,

 4.2044, 0.3161,

0.4455

0.6839

441.7621, 0.3634,
0.4393

■ 1.7885, 0.2518,
0.7482

■ 0.4800, 0.0000,
1.0000

■ 86.0552, 0.3849,
0.5168

■ 86.0552, 0.3849,
0.5168

■ 85.1309, 0.3853,
0.5273

■ 87.1303, 0.3818,
0.5015


■ 84.3234, 0.3835,
0.5337


■ 88.3689, 0.3762,
0.4820


■ 84.3220, 0.3835,
0.5337

■ 89.7878, 0.3683,
0.4589

■ 91.4001, 0.3586,
0.4335

 93.2176, 0.3477,
0.4069

 95.2510, 0.3362,
0.3801

 97.5103, 0.3243,
0.3539

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.



86.0552, 0.4669, 0.4621



86.0552, 0.3849, 0.5168



86.0552, 0.2901, 0.5074

Triad

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



86.0552, 0.3849, 0.5168



86.0552, 0.1444, 0.2182



86.0552, 0.4153, 0.2581

Complementary

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



86.0552, 0.3849, 0.5168



11.8689, 0.1803, 0.0905

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.



86.0552, 0.3074, 0.2095



86.0552, 0.3849, 0.5168



86.0552, 0.1648, 0.1845

Square

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



86.0552, 0.3849, 0.5168



86.0552, 0.1566, 0.2950



86.0552, 0.2186, 0.1835



86.0552, 0.4968, 0.3210

Rectangle

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



86.0552, 0.3849, 0.5168



86.0552, 0.2314, 0.4502



86.0552, 0.2186, 0.1835



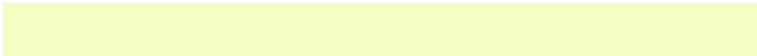
86.0552, 0.3795, 0.2398

Sweetspot

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



86.0569, 0.3849, 0.5168



94.4074, 0.3409, 0.3908



29.1255, 0.5627, 0.3590



20.0534, 0.3450, 0.4004



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.



86.0569, 0.3849, 0.5168



84.6355, 0.3844, 0.5315



75.2194, 0.3222, 0.5627



20.8955, 0.3238, 0.3527



44.1248, 0.3841, 0.5332



4.3408, 0.3883, 0.5299

Inverse Universe

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



11.8689, 0.1803, 0.0905



8.3835, 0.1618, 0.0679



21.0364, 0.2607, 0.1323



17.5535, 0.3010, 0.3046



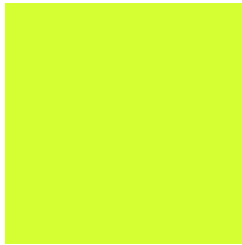
4.1930, 0.1598, 0.0654



0.4515, 0.1696, 0.0708

Previews

White Background



This preview shows how the Yxy color 86.0552, 0.3849, 0.5168 looks on a white background.

Color Contrast Check

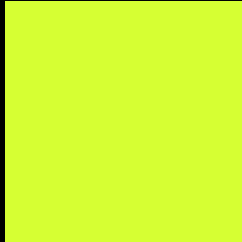
Large Text (above 18pt) WCAG AA × Fail

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 86.0552, 0.3849, 0.5168 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 86.0552, 0.3849, 0.5168

Background



This preview shows how black text looks on a background with the Yxy color 86.0552, 0.3849, 0.5168.

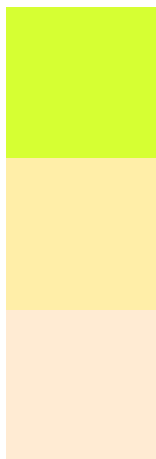


This preview shows how white text looks on a background with the Yxy color 86.0552, 0.3849, 0.5168.

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

86.0552, 0.3849, 0.5168

Protanopia

85.2362, 0.3695, 0.3993

Deuteranopia

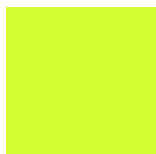
85.3798, 0.3420, 0.3531



Tritanopia

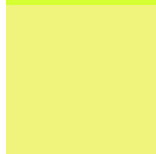
85.8615, 0.2999, 0.3119

Trichromacy



Original Color

86.0552, 0.3849, 0.5168



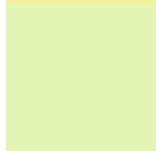
Protanomaly

84.7073, 0.3816, 0.4490



Deuteranomaly

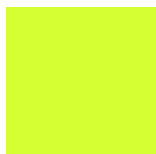
84.3294, 0.3666, 0.4210



Tritanomaly

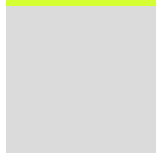
84.3685, 0.3399, 0.3962

Monochromacy



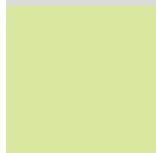
Original Color

86.0552, 0.3849, 0.5168



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.9336, 0.3496, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0552, 0.3849, 0.5168 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 86.0552, 0.3849, 0.5168 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, 51) }
```

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

```
.border{ border-color:rgb(214, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0552, 0.3849, 0.5168 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, 51) }
```

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

```
.background{ background-color: rgb(214,  
255, 51) }
```

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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