

Converting Colors

$Y_{xy}(100.0000, 0.3684, 0.5264)$

Have a look what the booklet for
Yxy(100.0000, 0.3684, 0.5264)
contains.

| | |
|--|----|
| Yxy(85.2668, 0.3784, 0.5153) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(85.2668, 0.3784, 0.5153)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D0FF3D |
| RGB | 208, 255, 61 |
| RGB Percent | 82%, 100%, 24% |
| CMY | 0.1844, 0.0000, 0.7603 |
| CMYK | 0.18, 0.00, 0.76, 0.00 |
| HSL | 75°, 100%, 62% |
| HSV | 75°, 76%, 100% |
| XYZ | 62.6139, 85.2668, 17.5895 |
| YIQ | 218.8310, 34.2620, -70.2980 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 61, 255, 108 |
| Decimal | 13696829 |
| CIELab | 94.00, -39.07, 80.73 |
| CIELCh | 94, 89.685, 115.826 |
| Yxy | 85.2668, 0.3784, 0.5153 |
| Android (android.graphics.Color) | 4291886909 (0xFFD0FF3D) |
| YUV | 218.8310, -77.8107, -9.4988 |
| Hunter-Lab | 92.3400, -40.5578, 53.3441 |

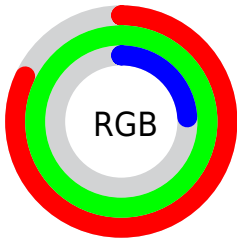
Details

The Yxy color **85.2668, 0.3784, 0.5153** is a light color, and the websafe version is hex **CCFF33**.

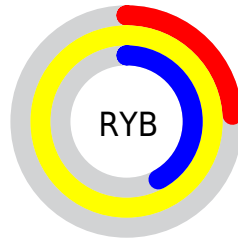
The color can be described as light washed yellow. A complement of this color would be **13.7679, 0.1912, 0.1015**, and the grayscale version is **71.2533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **46.7777, 0.3760, 0.5397** is the 20% darker color. If you saturate the color by 10%, you get **84.1737, 0.3791, 0.5286**, and if you desaturate by 10%, it is **86.5234, 0.3750, 0.4974**.

Distribution



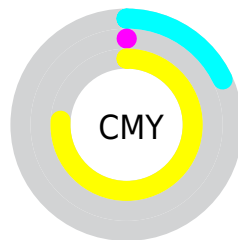
- Red (82%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (42%)



- Cyan (18%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2668, 0.3784, 0.5153 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 85.2668, 0.3784, 0.5153 by changing the saturation by 10% instead.


 85.2668, 0.3784,
0.5153


 85.2668, 0.3784,
0.5153

512.5105, 0.3571,
0.4317

 64.0619, 0.3805,
0.5324


 140.7459, 0.3732,
0.4877

 46.7008, 0.3816,
0.5520


 175.7888, 0.3705,
0.4765


 32.7992, 0.3807,
0.5746


 216.2132, 0.3679,
0.4667

 21.9726, 0.3763,
0.6001

 262.4034, 0.3655,
0.4580

 13.8368, 0.3677,
0.6323

 314.7438, 0.3631,
0.4503

 8.0072, 0.3428,
0.6572

373.6189, 0.3610,

 4.0996, 0.3054,

0.4435

0.6946

439.4130, 0.3589,
0.4373

■ 1.7294, 0.2309,
0.7691

■ 0.4426, 0.0000,
1.0000

■ 85.2668, 0.3784,
0.5153

■ 85.2668, 0.3784,
0.5153

■ 84.1737, 0.3791,
0.5286

■ 86.5234, 0.3750,
0.4974


■ 83.2265, 0.3773,
0.5370

■ 87.9632, 0.3692,
0.4754

■ 82.8785, 0.3762,
0.5395

■ 89.5996, 0.3613,
0.4506

■ 91.4453, 0.3519,
0.4239

 93.5118, 0.3414,
0.3967

 95.8097, 0.3304,
0.3698

 98.3487, 0.3193,
0.3439

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.



85.2668, 0.4604, 0.4649



85.2668, 0.3784, 0.5153



85.2668, 0.2850, 0.4996

Triad

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



85.2668, 0.3784, 0.5153



85.2668, 0.1472, 0.2169



85.2668, 0.4199, 0.2631

Complementary

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



85.2668, 0.3784, 0.5153



13.7679, 0.1912, 0.1015

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.



85.2668, 0.3143, 0.2138



85.2668, 0.3784, 0.5153



85.2668, 0.1694, 0.1858

Square

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



85.2668, 0.3784, 0.5153



85.2668, 0.1572, 0.2896



85.2668, 0.2249, 0.1866



85.2668, 0.4965, 0.3259

Rectangle

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



85.2668, 0.3784, 0.5153



85.2668, 0.2280, 0.4405



85.2668, 0.2249, 0.1866



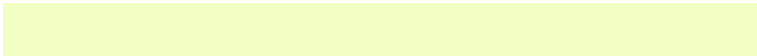
85.2668, 0.3853, 0.2446

Sweetspot

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



85.2658, 0.3784, 0.5153



94.1830, 0.3381, 0.3885



31.9813, 0.5411, 0.3660



19.9882, 0.3420, 0.3983



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.



85.2658, 0.3784, 0.5153



83.6863, 0.3785, 0.5333



75.3574, 0.3204, 0.5564



20.8558, 0.3231, 0.3527



43.3787, 0.3769, 0.5389



4.2741, 0.3820, 0.5349

Inverse Universe

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



13.7679, 0.1912, 0.1015



9.5027, 0.1709, 0.0752



23.3096, 0.2701, 0.1417



17.5904, 0.3017, 0.3047



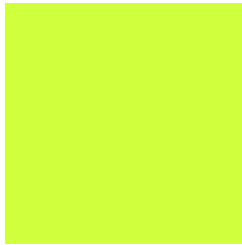
4.3623, 0.1636, 0.0675



0.4728, 0.1743, 0.0734

Previews

White Background



This preview shows how the Yxy color 85.2668, 0.3784, 0.5153 looks on a white background.

Color Contrast Check

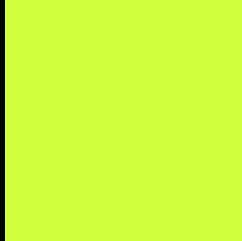
Large Text (above 18pt) WCAG AA × Fail

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 85.2668, 0.3784, 0.5153 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 85.2668, 0.3784, 0.5153

Background



This preview shows how black text looks on a background with the Yxy color 85.2668, 0.3784, 0.5153.

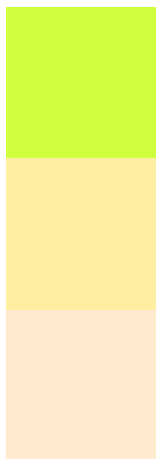


This preview shows how white text looks on a background with the Yxy color 85.2668, 0.3784, 0.5153.

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

85.2668, 0.3784, 0.5153

Protanopia

84.4016, 0.3743, 0.4053

Deuteranopia

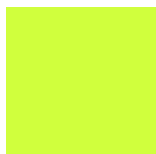
84.6597, 0.3442, 0.3551



Tritanopia

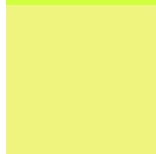
85.0271, 0.2968, 0.3118

Trichromacy



Original Color

85.2668, 0.3784, 0.5153



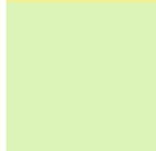
Protanomaly

84.3592, 0.3801, 0.4497



Deuteranomaly

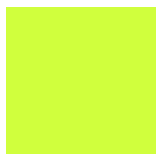
84.0480, 0.3640, 0.4195



Tritanomaly

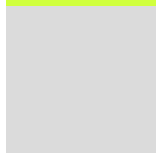
83.5763, 0.3333, 0.3928

Monochromacy



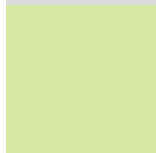
Original Color

85.2668, 0.3784, 0.5153



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.7689, 0.3456, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2668, 0.3784, 0.5153 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(208, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 61)  
}
```

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(208, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 61) }
```

Border

The CSS property to change the border of an element to Yxy 85.2668, 0.3784, 0.5153 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(208, 255, 61) }
```

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

```
.border{ border-color:rgb(208, 255, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2668, 0.3784, 0.5153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 61) }
```

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

```
.background{ background-color: rgb(208,  
255, 61) }
```

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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