

Converting Colors

$Y_{xy}(100.0000, 0.3740, 0.5352)$

Have a look what the booklet for
Yxy(100.0000, 0.3740, 0.5352)
contains.

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Color

Yxy(85.3259, 0.3853, 0.5252)

Conversions

Conversions Part 1

Format	Color
Hex	D2FF20
RGB	210, 255, 32
RGB Percent	82%, 100%, 13%
CMY	0.1765, 0.0000, 0.8742
CMYK	0.18, 0.00, 0.87, 0.00
HSL	72°, 100%, 56%
HSV	72°, 87%, 100%
XYZ	62.5972, 85.3259, 14.5405
YIQ	216.1230, 44.7630, -78.8930

Conversions

Conversions Part 2

Format	Color
R _Y B	32, 255, 77
Decimal	13827872
CIE Lab	94.02, -39.22, 87.47
CIE LCh	94, 95.858, 114.151
Yxy	85.3259, 0.3853, 0.5252
Android (android.graphics.Color)	4292017952 (0xFFD2FF20)
YUV	216.1230, -90.7726, -5.3699
Hunter-Lab	92.3720, -40.6879, 55.3274

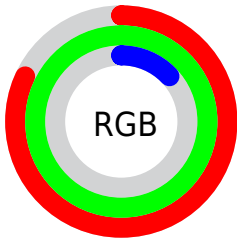
Details

The Yxy color **85.3259, 0.3853, 0.5252** is a light color, and the websafe version is hex **CCFF00**.

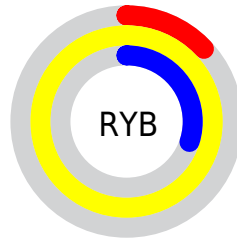
The color can be described as light washed yellow. A complement of this color would be **9.8378, 0.1706, 0.0776**, and the grayscale version is **69.3683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **46.8722, 0.3768, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **84.4907, 0.3839, 0.5324**, and if you desaturate by 10%, it is **86.2889, 0.3842, 0.5134**.

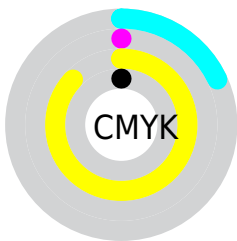
Distribution



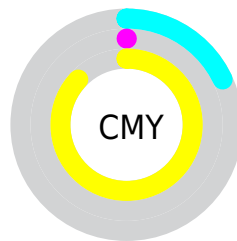
- Red (82%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (30%)



- Cyan (18%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3259, 0.3853, 0.5252 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 85.3259, 0.3853, 0.5252 by changing the saturation by 10% instead.

 85.3259, 0.3853,
0.5252

 85.3259, 0.3853,
0.5252

512.7058, 0.3626,
0.4387

 64.1107, 0.3871,
0.5422


 140.8284, 0.3801,
0.4971

 46.7403, 0.3877,
0.5615


 175.8845, 0.3773,
0.4856


 32.8304, 0.3858,
0.5830


 216.3230, 0.3745,
0.4754

 21.9966, 0.3808,
0.6083

 262.5284, 0.3719,
0.4664

 13.8544, 0.3673,
0.6327

 314.8849, 0.3693,
0.4583

 8.0195, 0.3423,
0.6577


373.7771, 0.3670,

 4.1074, 0.3048,


0.4511


0.6952


439.5893, 0.3647,
0.4446


 1.7338, 0.2301,
0.7699


 0.4454, 0.0000,
1.0000


 85.3259, 0.3853,
0.5252


 85.3259, 0.3853,
0.5252


 84.4907, 0.3839,
0.5324


 86.2889, 0.3842,
0.5134

 84.2887, 0.3833,
0.5338


 87.4058, 0.3805,
0.4970

 88.6922, 0.3743,
0.4764

 90.1627, 0.3659,
0.4526

 91.8299, 0.3559,
0.4268

 93.7053, 0.3448,
0.4001

 95.7995, 0.3331,
0.3733

 98.1223, 0.3213,
0.3474

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.



85.3259, 0.4712, 0.4663



85.3259, 0.3853, 0.5252



85.3259, 0.2871, 0.5166

Triad

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



85.3259, 0.3853, 0.5252



85.3259, 0.1385, 0.2127



85.3259, 0.4209, 0.2556

Complementary

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



85.3259, 0.3853, 0.5252



9.8378, 0.1706, 0.0776

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.



85.3259, 0.3078, 0.2054



85.3259, 0.3853, 0.5252



85.3259, 0.1598, 0.1790

Square

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



85.3259, 0.3853, 0.5252



85.3259, 0.1504, 0.2916



85.3259, 0.2153, 0.1785



85.3259, 0.5057, 0.3202

Rectangle

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



85.3259, 0.3853, 0.5252



85.3259, 0.2264, 0.4557



85.3259, 0.2153, 0.1785



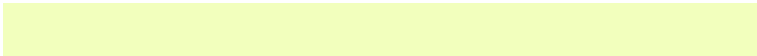
85.3259, 0.3834, 0.2367

Sweetspot

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



85.3245, 0.3853, 0.5252



93.9900, 0.3431, 0.3962



26.6241, 0.5889, 0.3553



19.9712, 0.3471, 0.4055



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.



85.3245, 0.3853, 0.5252



84.2887, 0.3833, 0.5338



74.2743, 0.3191, 0.5759



20.8947, 0.3238, 0.3527



44.1076, 0.3840, 0.5333



4.3393, 0.3882, 0.5300

Inverse Universe

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



9.8378, 0.1706, 0.0776



7.9365, 0.1587, 0.0648



18.9633, 0.2546, 0.1227



17.5543, 0.3010, 0.3046



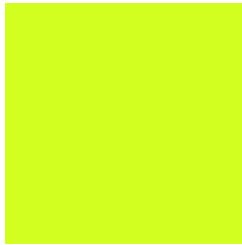
4.1965, 0.1598, 0.0654



0.4519, 0.1697, 0.0709

Previews

White Background



This preview shows how the Yxy color 85.3259, 0.3853, 0.5252 looks on a white background.

Color Contrast Check

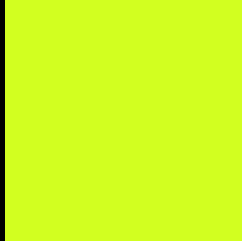
Large Text (above 18pt) WCAG AA × Fail

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 85.3259, 0.3853, 0.5252 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 85.3259, 0.3853, 0.5252

Background



This preview shows how black text looks on a background with the Yxy color 85.3259, 0.3853, 0.5252.

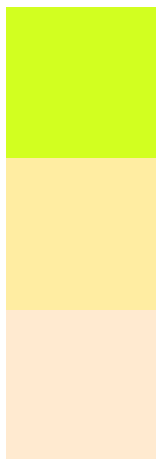


This preview shows how white text looks on a background with the Yxy color 85.3259, 0.3853, 0.5252.

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

85.3259, 0.3853, 0.5252

Protanopia

84.4370, 0.3737, 0.4043

Deuteranopia

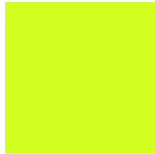
84.6597, 0.3442, 0.3551



Tritanopia

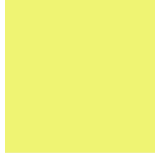
84.7773, 0.2980, 0.3108

Trichromacy



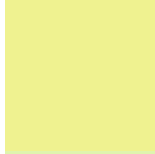
Original Color

85.3259, 0.3853, 0.5252



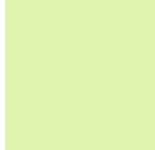
Protanomaly

84.2899, 0.3859, 0.4579



Deuteranomaly

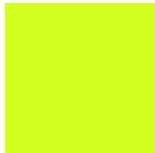
83.8686, 0.3712, 0.4301



Tritanomaly

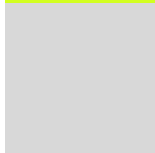
83.4453, 0.3413, 0.4045

Monochromacy



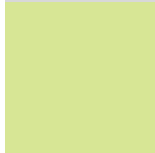
Original Color

85.3259, 0.3853, 0.5252



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

73.0597, 0.3536, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3259, 0.3853, 0.5252 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(210, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 32)  
}
```

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(210, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 32) }
```

Border

The CSS property to change the border of an element to Yxy 85.3259, 0.3853, 0.5252 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(210, 255, 32) }
```

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

```
.border{ border-color:rgb(210, 255, 32) }
```

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

Here you see how a box with a 4 pixel rgb(210, 255, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3259, 0.3853, 0.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 32) }
```

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

```
.background{ background-color: rgb(210,  
255, 32) }
```

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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