

Converting Colors

$Y_{xy}(100.0000, 0.3797, 0.5436)$

Have a look what the booklet for
Yxy(100.0000, 0.3797, 0.5436)
contains.

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Color

Yxy(85.5170, 0.3893, 0.5291)

Conversions

Conversions Part 1

Format	Color
Hex	D4FF00
RGB	212, 255, 0
RGB Percent	83%, 100%, 0%
CMY	0.1684, 0.0000, 1.0000
CMYK	0.17, 0.00, 1.00, 0.00
HSL	70°, 100%, 50%
HSV	70°, 100%, 100%
XYZ	62.9215, 85.5170, 13.1888
YIQ	213.0730, 56.2270, -88.4210

Conversions

Conversions Part 2

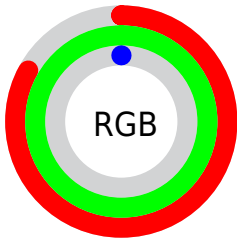
Format	Color
RYB	0, 255, 43
Decimal	13958912
CIELab	94.11, -38.82, 90.88
CIElCh	94, 98.825, 113.132
Yxy	85.5170, 0.3893, 0.5291
Android (android.graphics.Color)	4292148992 (0xFFD4FF00)
YUV	213.0730, -105.0450, -0.9410
Hunter-Lab	92.4754, -40.3782, 56.2769

Details

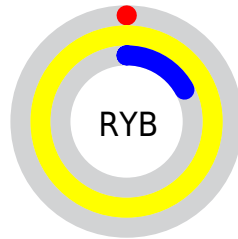
The Yxy color **85.5170, 0.3893, 0.5291** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.7321, 0.1563, 0.0634**, and the grayscale version is **67.2877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.0636, 0.3786, 0.5376** is the 20% darker color. If you saturate the color by 10%, you get **85.5209, 0.3893, 0.5291**, and if you desaturate by 10%, it is **86.2403, 0.3905, 0.5233**.

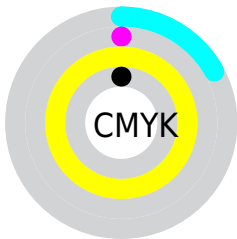
Distribution



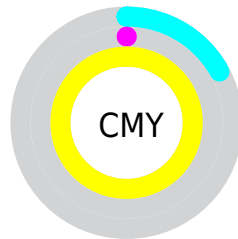
- Red (83%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (17%)



- Cyan (17%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5170, 0.3893, 0.5291 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 85.5170, 0.3893, 0.5291 by changing the saturation by 10% instead.


 85.5170, 0.3893,
0.5291


 85.5170, 0.3893,
0.5291


513.3372, 0.3658,
0.4419

 64.2686, 0.3910,
0.5459


 141.0953, 0.3841,
0.5011


 46.8683, 0.3913,
0.5647


 176.1940, 0.3812,
0.4895

 32.9316, 0.3891,
0.5854


 216.6783, 0.3783,
0.4792

 22.0740, 0.3844,
0.6109

 262.9326, 0.3755,
0.4700

 13.9113, 0.3687,
0.6313

 315.3412, 0.3729,
0.4618

 8.0590, 0.3441,
0.6559


 374.2886, 0.3704,


 4.1327, 0.3071,


0.4545


0.6929


440.1591, 0.3680,
0.4479


 1.7481, 0.2348,
0.7652


 0.4545, 0.0000,
1.0000

 85.5170, 0.3893,
0.5291


 85.5170, 0.3893,
0.5291

 85.5209, 0.3893,
0.5291


 86.2403, 0.3905,
0.5233


 87.0710, 0.3895,
0.5134

 88.0421, 0.3859,
0.4989

 89.1713, 0.3797,
0.4800

 90.4736, 0.3712,
0.4576

 91.9619, 0.3610,
0.4327

 93.6479, 0.3495,
0.4065

 95.5424, 0.3373,
0.3800

 97.6552, 0.3249,
0.3539

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5170, 0.4768, 0.4660



85.5170, 0.3893, 0.5291



85.5170, 0.2889, 0.5251

Triad

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



85.5170, 0.3893, 0.5291



85.5170, 0.1346, 0.2114



85.5170, 0.4201, 0.2516

Complementary

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



85.5170, 0.3893, 0.5291



7.7321, 0.1563, 0.0634

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.



85.5170, 0.3036, 0.2012



85.5170, 0.3893, 0.5291



85.5170, 0.1551, 0.1760

Square

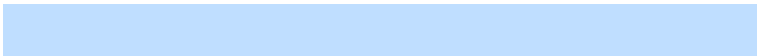
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5170, 0.3893, 0.5291



85.5170, 0.1475, 0.2937



85.5170, 0.2102, 0.1747



85.5170, 0.5094, 0.3169

Rectangle

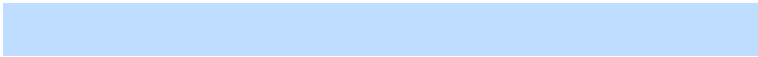
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5170, 0.3893, 0.5291



85.5170, 0.2265, 0.4642



85.5170, 0.2102, 0.1747



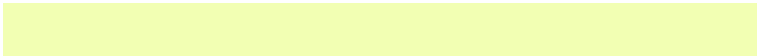
85.5170, 0.3813, 0.2326

Sweetspot

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



85.5209, 0.3893, 0.5291



93.6522, 0.3495, 0.4065



22.9506, 0.6258, 0.3413



19.8879, 0.3544, 0.4177



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.



85.5209, 0.3893, 0.5291



85.5248, 0.3893, 0.5291



73.4480, 0.3159, 0.5874



20.9268, 0.3243, 0.3527



44.7456, 0.3898, 0.5287



4.3959, 0.3934, 0.5259

Inverse Universe

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



7.7321, 0.1563, 0.0634



7.7325, 0.1563, 0.0634



15.7653, 0.2368, 0.1078



17.5247, 0.3005, 0.3046



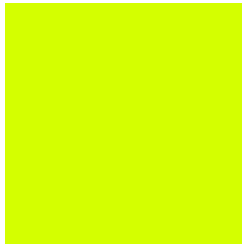
4.0831, 0.1572, 0.0640



0.4367, 0.1663, 0.0690

Previews

White Background



This preview shows how the Yxy color 85.5170, 0.3893, 0.5291 looks on a white background.

Color Contrast Check

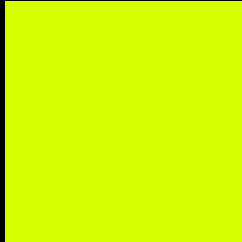
Large Text (above 18pt) WCAG AA × Fail

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 85.5170, 0.3893, 0.5291 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 85.5170, 0.3893, 0.5291

Background



This preview shows how black text looks on a background with the Yxy color 85.5170, 0.3893, 0.5291.



This preview shows how white text looks on a background with the Yxy color 85.5170, 0.3893, 0.5291.

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



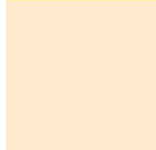
Original Color

85.5170, 0.3893, 0.5291



Protanopia

85.0534, 0.3727, 0.4042



Deuteranopia

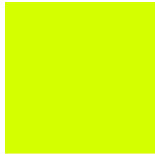
84.6597, 0.3442, 0.3551



Tritanopia

85.1120, 0.2993, 0.3109

Trichromacy



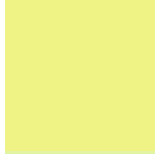
Original Color

85.5170, 0.3893, 0.5291



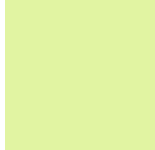
Protanomaly

84.0516, 0.3911, 0.4667



Deuteranomaly

83.5209, 0.3779, 0.4414



Tritanomaly

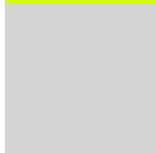
83.3176, 0.3499, 0.4170

Monochromacy



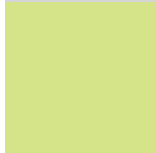
Original Color

85.5170, 0.3893, 0.5291



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

71.4105, 0.3614, 0.4329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5170, 0.3893, 0.5291 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(212, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 0)  
}
```

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(212, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.5170, 0.3893, 0.5291 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(212, 255, 0) }
```

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

```
.border{ border-color:rgb(212, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5170, 0.3893, 0.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 0) }
```

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

```
.background{ background-color: rgb(212,  
255, 0) }
```

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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