

Converting Colors

$Yxy(85.7327, 0.3903, 0.5283)$

Have a look what the booklet for
Yxy(85.7327, 0.3903, 0.5283)
contains.

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Color

Yxy(85.6661, 0.3900, 0.5286)

Conversions

Conversions Part 1

Format	Color
Hex	D5FF00
RGB	213, 255, 0
RGB Percent	84%, 100%, 0%
CMY	0.1646, 0.0000, 1.0000
CMYK	0.16, 0.00, 1.00, 0.00
HSL	70°, 100%, 50%
HSV	70°, 100%, 100%
XYZ	63.2043, 85.6661, 13.1919
YIQ	213.3720, 56.8230, -88.2090

Conversions

Conversions Part 2

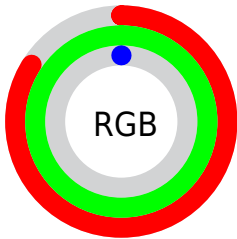
Format	Color
RYB	0, 255, 42
Decimal	14024448
CIELab	94.17, -38.45, 90.98
CIELCh	94, 98.773, 112.908
Yxy	85.6661, 0.3900, 0.5286
Android (android.graphics.Color)	4292214528 (0xFFD5FF00)
YUV	213.3720, -105.1924, -0.3262
Hunter-Lab	92.5560, -40.0796, 56.3387

Details

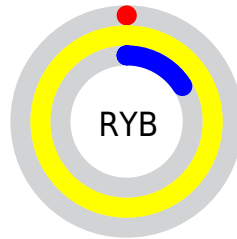
The Yxy color **85.6661, 0.3900, 0.5286** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.7117, 0.1560, 0.0633**, and the grayscale version is **67.4976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.1605, 0.3795, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **85.6699, 0.3900, 0.5286**, and if you desaturate by 10%, it is **86.3782, 0.3911, 0.5228**.

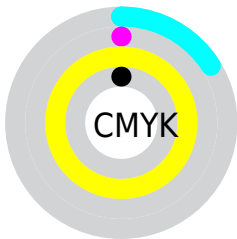
Distribution



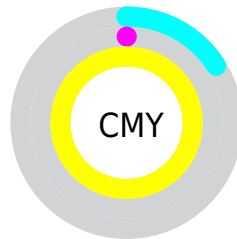
- Red (84%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (16%)



- Cyan (16%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6661, 0.3900, 0.5286 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 85.6661, 0.3900, 0.5286 by changing the saturation by 10% instead.


 85.6661, 0.3900,
0.5286


 85.6661, 0.3900,
0.5286


513.8296, 0.3662,
0.4417

 64.3919, 0.3918,
0.5453


 141.3034, 0.3846,
0.5007

 46.9682, 0.3922,
0.5640


 176.4354, 0.3817,
0.4892


 33.0105, 0.3900,
0.5846


 216.9554, 0.3788,
0.4789

 22.1345, 0.3855,
0.6098

 263.2478, 0.3760,
0.4698

 13.9557, 0.3700,
0.6300

 315.6970, 0.3733,
0.4616

 8.0899, 0.3457,
0.6543


 374.6874, 0.3708,


 4.1525, 0.3092,

0.4543


0.6908


440.6035, 0.3684,
0.4477


 1.7592, 0.2390,
0.7610


 0.4616, 0.0000,
1.0000


 85.6661, 0.3900,
0.5286


 85.6661, 0.3900,
0.5286

 85.6699, 0.3900,
0.5286

 86.3782, 0.3911,
0.5228

 87.1972, 0.3901,
0.5130

 88.1558, 0.3864,
0.4985

 89.2717, 0.3801,
0.4798

■ 90.5599, 0.3716,
0.4574

■ 92.0334, 0.3612,
0.4326

■ 93.7039, 0.3496,
0.4065

■ 95.5821, 0.3374,
0.3800

■ 97.6777, 0.3250,
0.3539

Harmonies

Analogous

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



85.6661, 0.4772, 0.4653



85.6661, 0.3900, 0.5286



85.6661, 0.2897, 0.5253

Triad

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



85.6661, 0.3900, 0.5286



85.6661, 0.1347, 0.2119



85.6661, 0.4192, 0.2512

Complementary

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



85.6661, 0.3900, 0.5286



7.7117, 0.1560, 0.0633

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.



85.6661, 0.3028, 0.2010



85.6661, 0.3900, 0.5286



85.6661, 0.1550, 0.1763

Square

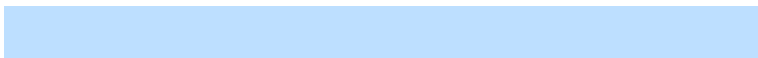
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6661, 0.3900, 0.5286



85.6661, 0.1479, 0.2946



85.6661, 0.2098, 0.1747



85.6661, 0.5088, 0.3164

Rectangle

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



85.6661, 0.3900, 0.5286



85.6661, 0.2273, 0.4649



85.6661, 0.2098, 0.1747



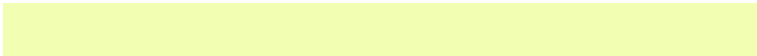
85.6661, 0.3803, 0.2322

Sweetspot

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



85.6699, 0.3900, 0.5286



93.7039, 0.3496, 0.4065



22.6623, 0.6282, 0.3394



19.9004, 0.3546, 0.4176



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.



85.6699, 0.3900, 0.5286



73.6562, 0.3175, 0.5861



20.9305, 0.3244, 0.3527



44.8205, 0.3905, 0.5282



4.4025, 0.3939, 0.5254

Inverse Universe

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



7.7117, 0.1560, 0.0633



15.3000, 0.2329, 0.1057



17.5213, 0.3004, 0.3046



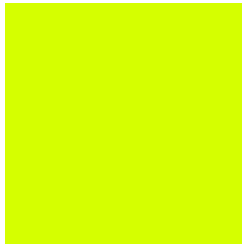
4.0714, 0.1570, 0.0638



0.4351, 0.1659, 0.0688

Previews

White Background



This preview shows how the Yxy color 85.6661, 0.3900, 0.5286 looks on a white background.

Color Contrast Check

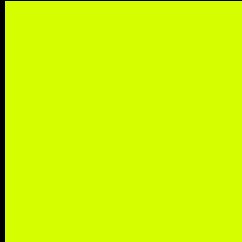
Large Text (above 18pt) WCAG AA × Fail

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 85.6661, 0.3900, 0.5286 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 85.6661, 0.3900, 0.5286

Background



This preview shows how black text looks on a background with the Yxy color 85.6661, 0.3900, 0.5286.

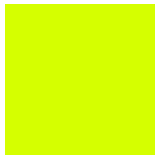


This preview shows how white text looks on a background with the Yxy color 85.6661, 0.3900, 0.5286.

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

85.6661, 0.3900, 0.5286



Protanopia

85.1257, 0.3715, 0.4023



Deuteranopia

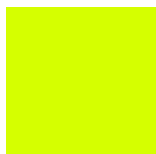
85.2801, 0.3433, 0.3551



Tritanopia

85.2808, 0.2999, 0.3109

Trichromacy



Original Color

85.6661, 0.3900, 0.5286



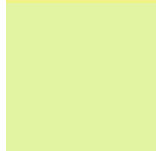
Protanomaly

84.2466, 0.3914, 0.4655



Deuteranomaly

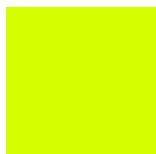
83.7230, 0.3781, 0.4402



Tritanomaly

83.4788, 0.3506, 0.4168

Monochromacy



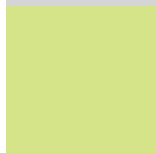
Original Color

85.6661, 0.3900, 0.5286



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 85.6661, 0.3900, 0.5286 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(213, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.6661, 0.3900, 0.5286 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(213, 255, 0) }
```

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

```
.border{ border-color:rgb(213, 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(213, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 85.6661, 0.3900, 0.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 0) }
```

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

```
.background{ background-color: rgb(213,  
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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