

Converting Colors

$Y_{xy}(85.8937, 0.3911, 0.5277)$

Have a look what the booklet for
Yxy(85.8937, 0.3911, 0.5277)
contains.

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Color

Yxy(85.9671, 0.3914, 0.5275)

Conversions

Conversions Part 1

Format	Color
Hex	D7FF00
RGB	215, 255, 0
RGB Percent	84%, 100%, 0%
CMY	0.1568, 0.0000, 1.0000
CMYK	0.16, 0.00, 1.00, 0.00
HSL	69°, 100%, 50%
HSV	69°, 100%, 100%
XYZ	63.7868, 85.9671, 13.2169
YIQ	213.9700, 58.0150, -87.7850

Conversions

Conversions Part 2

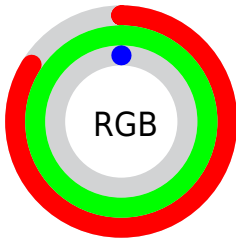
Format	Color
RYB	0, 255, 40
Decimal	14155520
CIELab	94.30, -37.67, 91.14
CIELCh	94, 98.619, 112.453
Yxy	85.9671, 0.3914, 0.5275
Android (android.graphics.Color)	4292345600 (0xFFD7FF00)
YUV	213.9700, -105.4872, 0.9033
Hunter-Lab	92.7184, -39.4560, 56.4512

Details

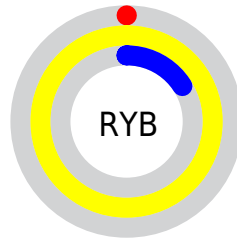
The Yxy color **85.9671, 0.3914, 0.5275** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.6707, 0.1555, 0.0630**, and the grayscale version is **67.9230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.3567, 0.3812, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **85.9702, 0.3914, 0.5274**, and if you desaturate by 10%, it is **86.6553, 0.3924, 0.5218**.

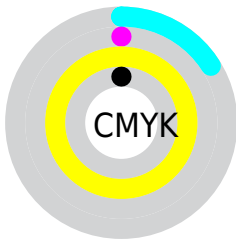
Distribution



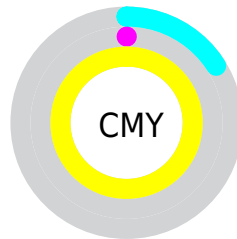
- Red (84%)
- Green (100%)
- Blue (0%)



- 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 85.9671, 0.3914, 0.5275 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 85.9671, 0.3914, 0.5275 by changing the saturation by 10% instead.


 85.9671, 0.3914,
0.5275

 85.9671, 0.3914,
0.5275


514.8227, 0.3670,
0.4414

 64.6408, 0.3933,
0.5440

 141.7236, 0.3858,
0.4999

 47.1699, 0.3939,
0.5624


 176.9225, 0.3828,
0.4885

 33.1699, 0.3920,
0.5827


 217.5144, 0.3798,
0.4783

 22.2567, 0.3878,
0.6075

 263.8837, 0.3770,
0.4692

 14.0456, 0.3727,
0.6273

 316.4148, 0.3742,
0.4611

 8.1524, 0.3490,
0.6510


 375.4921, 0.3716,


 4.1926, 0.3134,


0.4539


0.6866


441.4999, 0.3692,
0.4473


 1.7819, 0.2472,
0.7528


 0.4758, 0.0000,
1.0000


 85.9671, 0.3914,
0.5275


 85.9671, 0.3914,
0.5275

 85.9702, 0.3914,
0.5274


 86.6553, 0.3924,
0.5218


 87.4496, 0.3912,
0.5122

 88.3820, 0.3874,
0.4979


 89.4703, 0.3810,
0.4793

 90.7293, 0.3723,
0.4571

 92.1721, 0.3618,
0.4324

 93.8103, 0.3501,
0.4064

 95.6545, 0.3377,
0.3799

 97.7147, 0.3251,
0.3539

Harmonies

Analogous

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



85.9671, 0.4780, 0.4640



85.9671, 0.3914, 0.5275



85.9671, 0.2914, 0.5255

Triad

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



85.9671, 0.3914, 0.5275



85.9671, 0.1350, 0.2131



85.9671, 0.4172, 0.2505

Complementary

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



85.9671, 0.3914, 0.5275



7.6707, 0.1555, 0.0630

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.



85.9671, 0.3012, 0.2007



85.9671, 0.3914, 0.5275



85.9671, 0.1547, 0.1769

Square

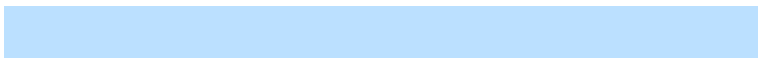
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9671, 0.3914, 0.5275



85.9671, 0.1487, 0.2964



85.9671, 0.2089, 0.1748



85.9671, 0.5074, 0.3154

Rectangle

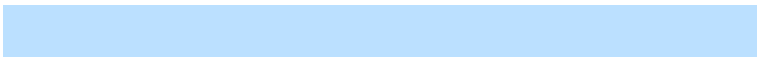
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9671, 0.3914, 0.5275



85.9671, 0.2288, 0.4663



85.9671, 0.2089, 0.1748



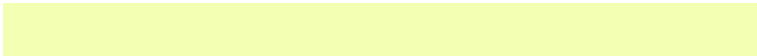
85.9671, 0.3784, 0.2317

Sweetspot

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



85.9702, 0.3914, 0.5274



93.8103, 0.3501, 0.4064



22.6623, 0.6282, 0.3394



19.9262, 0.3551, 0.4175



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.



85.9702, 0.3914, 0.5274



73.6562, 0.3175, 0.5861



20.9381, 0.3245, 0.3526



44.9754, 0.3918, 0.5271



4.4162, 0.3952, 0.5244

Inverse Universe

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



7.6707, 0.1555, 0.0630



15.3000, 0.2329, 0.1057



17.5144, 0.3003, 0.3046



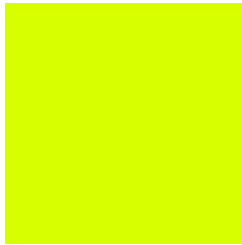
4.0484, 0.1564, 0.0635



0.4318, 0.1652, 0.0684

Previews

White Background



This preview shows how the Yxy color 85.9671, 0.3914, 0.5275 looks on a white background.

Color Contrast Check

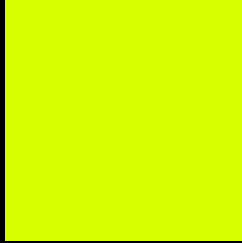
Large Text (above 18pt) WCAG AA × Fail

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 85.9671, 0.3914, 0.5275 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 85.9671, 0.3914, 0.5275

Background



This preview shows how black text looks on a background with the Yxy color 85.9671, 0.3914, 0.5275.



This preview shows how white text looks on a background with the Yxy color 85.9671, 0.3914, 0.5275.

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



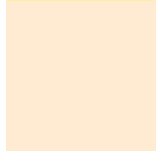
Original Color

85.9671, 0.3914, 0.5275



Protanopia

85.1991, 0.3702, 0.4003



Deuteranopia

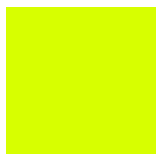
85.3298, 0.3427, 0.3541



Tritanopia

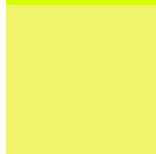
85.4505, 0.3006, 0.3110

Trichromacy



Original Color

85.9671, 0.3914, 0.5275



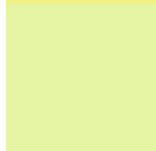
Protanomaly

84.2672, 0.3910, 0.4647



Deuteranomaly

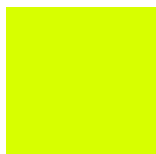
83.7508, 0.3776, 0.4393



Tritanomaly

83.8040, 0.3521, 0.4163

Monochromacy



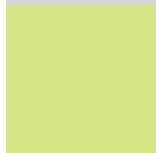
Original Color

85.9671, 0.3914, 0.5275



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

72.1123, 0.3619, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9671, 0.3914, 0.5275 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(215, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.9671, 0.3914, 0.5275 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(215, 255, 0) }
```

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

```
.border{ border-color:rgb(215, 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(215, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 85.9671, 0.3914, 0.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 0) }
```

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

```
.background{ background-color: rgb(215,  
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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