

Converting Colors

Yxy(85.3742, 0.3886, 0.5296)

Have a look what the booklet for
Yxy(85.3742, 0.3886, 0.5296)
contains.

Yxy(85.3689, 0.3886, 0.5297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(85.3689, 0.3886, 0.5297)

Conversions

Conversions Part 1

Format	Color
Hex	D3FF00
RGB	211, 255, 0
RGB Percent	83%, 100%, 0%
CMY	0.1724, 0.0000, 1.0000
CMYK	0.17, 0.00, 1.00, 0.00
HSL	70°, 100%, 50%
HSV	70°, 100%, 100%
XYZ	62.6286, 85.3689, 13.1671
YIQ	212.7740, 55.6310, -88.6330

Conversions

Conversions Part 2

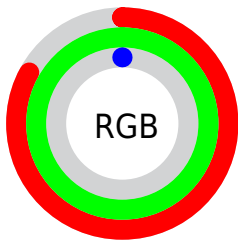
Format	Color
RYB	0, 255, 44
Decimal	13893376
CIELab	94.04, -39.23, 90.82
CIElCh	94, 98.933, 113.359
Yxy	85.3689, 0.3886, 0.5297
Android (android.graphics.Color)	4292083456 (0xFFD3FF00)
YUV	212.7740, -104.8976, -1.5558
Hunter-Lab	92.3953, -40.6986, 56.2274

Details

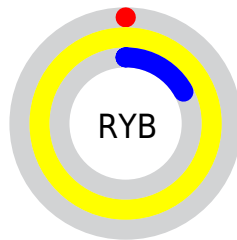
The Yxy color **85.3689, 0.3886, 0.5297** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.7549, 0.1565, 0.0636**, and the grayscale version is **67.0734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **46.9675, 0.3777, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **85.3730, 0.3886, 0.5297**, and if you desaturate by 10%, it is **86.1039, 0.3899, 0.5238**.

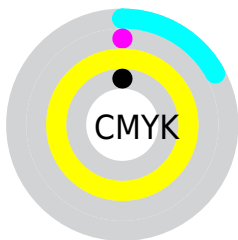
Distribution



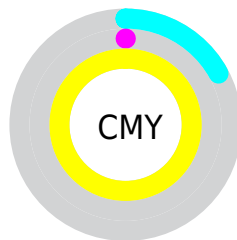
- Red (83%)
- Green (100%)
- Blue (0%)



- 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 85.3689, 0.3886, 0.5297 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 85.3689, 0.3886, 0.5297 by changing the saturation by 10% instead.


 85.3689, 0.3886,
0.5297


 85.3689, 0.3886,
0.5297

512.8479, 0.3654,
0.4421

 64.1462, 0.3903,
0.5466


 140.8885, 0.3835,
0.5016


 46.7691, 0.3905,
0.5655

 175.9542, 0.3806,
0.4899


 32.8532, 0.3881,
0.5864


 216.4030, 0.3778,
0.4795

 22.0140, 0.3832,
0.6122

 262.6194, 0.3750,
0.4703

 13.8672, 0.3673,
0.6327

 314.9876, 0.3724,
0.4621

 8.0283, 0.3423,
0.6577


 373.8922, 0.3699,

 4.1131, 0.3049,


0.4548


0.6951


439.7175, 0.3676,
0.4481


 1.7370, 0.2304,
0.7696


 0.4475, 0.0000,
1.0000


 85.3689, 0.3886,
0.5297


 85.3689, 0.3886,
0.5297


 85.3730, 0.3886,
0.5297

 86.1039, 0.3899,
0.5238

 86.9469, 0.3890,
0.5138

 87.9312, 0.3854,
0.4992


 89.0743, 0.3793,
0.4802

 90.3914, 0.3709,
0.4578

 91.8953, 0.3607,
0.4328

 93.5978, 0.3492,
0.4066

 95.5097, 0.3371,
0.3800

 97.6407, 0.3248,
0.3539

Harmonies

Analogous

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



85.3689, 0.4764, 0.4667



85.3689, 0.3886, 0.5297



85.3689, 0.2881, 0.5251

Triad

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



85.3689, 0.3886, 0.5297



85.3689, 0.1344, 0.2107



85.3689, 0.4212, 0.2519

Complementary

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



85.3689, 0.3886, 0.5297



7.7549, 0.1565, 0.0636

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.



85.3689, 0.3044, 0.2013



85.3689, 0.3886, 0.5297



85.3689, 0.1552, 0.1757

Square

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



85.3689, 0.3886, 0.5297



85.3689, 0.1471, 0.2928



85.3689, 0.2106, 0.1746



85.3689, 0.5102, 0.3173

Rectangle

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



85.3689, 0.3886, 0.5297



85.3689, 0.2257, 0.4636



85.3689, 0.2106, 0.1746



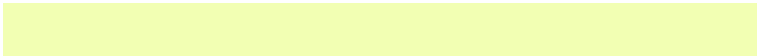
85.3689, 0.3823, 0.2328

Sweetspot

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



85.3730, 0.3886, 0.5297



93.5978, 0.3492, 0.4066



22.9516, 0.6258, 0.3413



19.8748, 0.3542, 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.



85.3730, 0.3886, 0.5297



73.4513, 0.3159, 0.5874



20.9230, 0.3242, 0.3527



44.6673, 0.3891, 0.5292



4.3890, 0.3927, 0.5264

Inverse Universe

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



7.7549, 0.1565, 0.0636



15.7660, 0.2368, 0.1078



17.5283, 0.3005, 0.3046



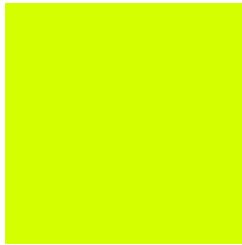
4.0956, 0.1575, 0.0641



0.4384, 0.1667, 0.0692

Previews

White Background



This preview shows how the Yxy color 85.3689, 0.3886, 0.5297 looks on a white background.

Color Contrast Check

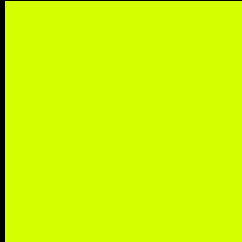
Large Text (above 18pt) WCAG AA × Fail

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 85.3689, 0.3886, 0.5297 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 85.3689, 0.3886, 0.5297

Background



This preview shows how black text looks on a background with the Yxy color 85.3689, 0.3886, 0.5297.



This preview shows how white text looks on a background with the Yxy color 85.3689, 0.3886, 0.5297.

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

85.3689, 0.3886, 0.5297

Protanopia

85.0177, 0.3734, 0.4052

Deuteranopia

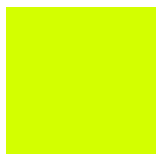
84.6597, 0.3442, 0.3551



Tritanopia

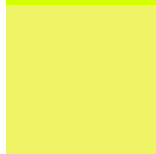
84.9442, 0.2987, 0.3109

Trichromacy



Original Color

85.3689, 0.3886, 0.5297



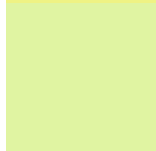
Protanomaly

84.0314, 0.3916, 0.4674



Deuteranomaly

83.5209, 0.3779, 0.4414



Tritanomaly

83.1573, 0.3492, 0.4172

Monochromacy



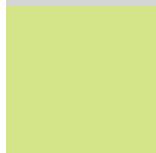
Original Color

85.3689, 0.3886, 0.5297



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

71.2614, 0.3607, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3689, 0.3886, 0.5297 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(211, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 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(211, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 85.3689, 0.3886, 0.5297 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(211, 255, 0) }
```

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

```
.border{ border-color:rgb(211, 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(211, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 85.3689, 0.3886, 0.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 0) }
```

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

```
.background{ background-color: rgb(211,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor