

Converting Colors

$Yxy(84.0247, 0.3820, 0.5349)$

Have a look what the booklet for
Yxy(84.0247, 0.3820, 0.5349)
contains.

Yxy(84.0766, 0.3823, 0.5347)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(84.0766, 0.3823, 0.5347)

Conversions

Conversions Part 1

Format	Color
Hex	CAFF00
RGB	202, 255, 0
RGB Percent	79%, 100%, 0%
CMY	0.2079, 0.0000, 1.0000
CMYK	0.21, 0.00, 1.00, 0.00
HSL	72°, 100%, 50%
HSV	72°, 100%, 100%
XYZ	60.1131, 84.0766, 13.0510
YIQ	210.0830, 50.2670, -90.5410

Conversions

Conversions Part 2

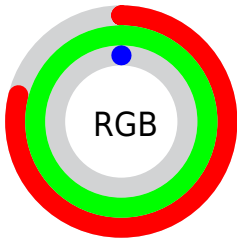
Format	Color
RYB	0, 255, 53
Decimal	13303552
CIELab	93.48, -42.73, 90.15
CIELCh	93, 99.766, 115.357
Yxy	84.0766, 0.3823, 0.5347
Android (android.graphics.Color)	4291493632 (0xFFCAFF00)
YUV	210.0830, -103.5709, -7.0888
Hunter-Lab	91.6933, -43.4406, 55.7464

Details

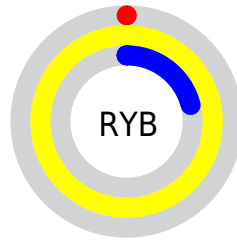
The Yxy color **84.0766, 0.3823, 0.5347** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.9773, 0.1592, 0.0651**, and the grayscale version is **65.1724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **46.1389, 0.3699, 0.5445** is the 20% darker color. If you saturate the color by 10%, you get **84.0746, 0.3823, 0.5347**, and if you desaturate by 10%, it is **84.8992, 0.3842, 0.5282**.

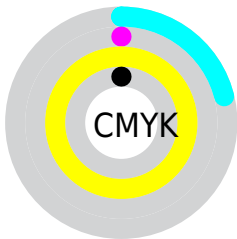
Distribution



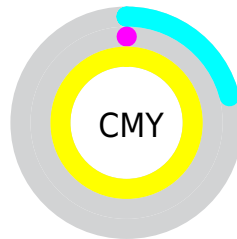
- Red (79%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (21%)



- Cyan (21%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0766, 0.3823, 0.5347 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 84.0766, 0.3823, 0.5347 by changing the saturation by 10% instead.


 84.0766, 0.3823,
0.5347


 84.0766, 0.3823,
0.5347


508.5676, 0.3620,
0.4438


 63.0787, 0.3833,
0.5525

 139.0823, 0.3782,
0.5053


 45.9049, 0.3827,
0.5726


 173.8589, 0.3757,
0.4931


 32.1708, 0.3792,
0.5949


 213.9972, 0.3732,
0.4824

 21.4920, 0.3730,
0.6228

 259.8815, 0.3708,
0.4729

 13.4841, 0.3549,
0.6451

 311.8964, 0.3684,
0.4644

 7.7627, 0.3271,
0.6729


 370.4260, 0.3662,


 3.9435, 0.2854,


0.4568


0.7146


435.8550, 0.3640,
0.4500


 1.6420, 0.1862,
0.8138


 0.3857, 0.0000,
1.0000


 84.0766, 0.3823,
0.5347


 84.0766, 0.3823,
0.5347


 84.0746, 0.3823,
0.5347

 84.8992, 0.3842,
0.5282


 85.8438, 0.3839,
0.5175


 86.9373, 0.3810,
0.5021


 88.1978, 0.3755,
0.4824

 89.6401, 0.3677,
0.4593

 91.2776, 0.3582,
0.4338

 93.1219, 0.3474,
0.4071

 95.1839, 0.3359,
0.3802

 97.4735, 0.3243,
0.3540

Harmonies

Analogous

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



84.0766, 0.4728, 0.4727



84.0766, 0.3823, 0.5347



84.0766, 0.2807, 0.5240

Triad

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



84.0766, 0.3823, 0.5347



84.0766, 0.1331, 0.2056



84.0766, 0.4301, 0.2550

Complementary

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



84.0766, 0.3823, 0.5347



7.9773, 0.1592, 0.0651

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.



84.0766, 0.3118, 0.2027



84.0766, 0.3823, 0.5347



84.0766, 0.1562, 0.1731

Square

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



84.0766, 0.3823, 0.5347



84.0766, 0.1433, 0.2848



84.0766, 0.2146, 0.1741



84.0766, 0.5163, 0.3215

Rectangle

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



84.0766, 0.3823, 0.5347



84.0766, 0.2188, 0.4573



84.0766, 0.2146, 0.1741



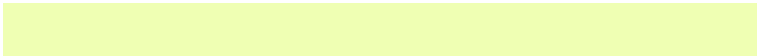
84.0766, 0.3911, 0.2354

Sweetspot

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



84.0746, 0.3823, 0.5347



93.1219, 0.3474, 0.4071



23.6277, 0.6204, 0.3456



19.7599, 0.3521, 0.4184



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.



84.0746, 0.3823, 0.5347



73.0771, 0.3129, 0.5897



20.8889, 0.3237, 0.3527



43.9970, 0.3829, 0.5342



4.3295, 0.3873, 0.5307

Inverse Universe

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



7.9773, 0.1592, 0.0651



16.7442, 0.2448, 0.1122



17.5596, 0.3011, 0.3046



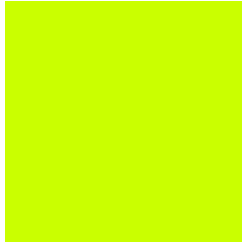
4.2189, 0.1603, 0.0657



0.4548, 0.1704, 0.0712

Previews

White Background



This preview shows how the Yxy color 84.0766, 0.3823, 0.5347 looks on a white background.

Color Contrast Check

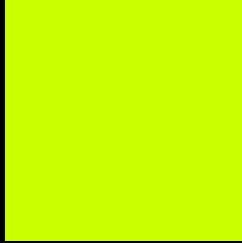
Large Text (above 18pt) WCAG AA × Fail

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 84.0766, 0.3823, 0.5347 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 84.0766, 0.3823, 0.5347

Background



This preview shows how black text looks on a background with the Yxy color 84.0766, 0.3823, 0.5347.

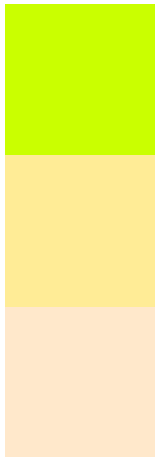


This preview shows how white text looks on a background with the Yxy color 84.0766, 0.3823, 0.5347.

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

84.0766, 0.3823, 0.5347

Protanopia

83.4529, 0.3816, 0.4150

Deuteranopia

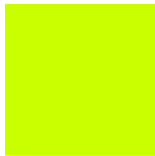
83.2850, 0.3479, 0.3583



Tritanopia

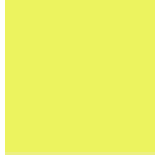
83.6357, 0.2936, 0.3106

Trichromacy



Original Color

84.0766, 0.3823, 0.5347



Protanomaly

82.7603, 0.3934, 0.4739



Deuteranomaly

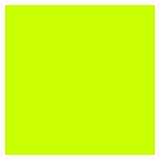
81.7380, 0.3782, 0.4434



Tritanomaly

81.9089, 0.3436, 0.4189

Monochromacy



Original Color

84.0766, 0.3823, 0.5347



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

69.3793, 0.3587, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0766, 0.3823, 0.5347 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(202, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 84.0766, 0.3823, 0.5347 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(202, 255, 0) }
```

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

```
.border{ border-color:rgb(202, 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(202, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 84.0766, 0.3823, 0.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 0) }
```

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

```
.background{ background-color: rgb(202,  
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