

Converting Colors

Yxy(84.0538, 0.3750, 0.5235)

Have a look what the booklet for
Yxy(84.0538, 0.3750, 0.5235)
contains.

Yxy(84.0473, 0.3750, 0.5235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.0473, 0.3750, 0.5235)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF34
RGB	200, 255, 52
RGB Percent	78%, 100%, 20%
CMY	0.2156, 0.0000, 0.7961
CMYK	0.22, 0.00, 0.80, 0.00
HSL	76°, 100%, 60%
HSV	76°, 80%, 100%
XYZ	60.2058, 84.0473, 16.2957
YIQ	215.4130, 32.3830, -74.7930

Conversions

Conversions Part 2

Format	Color
RYB	52, 255, 107
Decimal	13172532
CIELab	93.47, -42.45, 82.56
CIELCh	93, 92.831, 117.212
Yxy	84.0473, 0.3750, 0.5235
Android (android.graphics.Color)	4291362612 (0xFFC8FF34)
YUV	215.4130, -80.5626, -13.5172
Hunter-Lab	91.6773, -43.2118, 53.6353

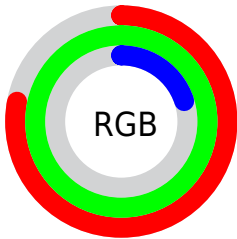
Details

The Yxy color **84.0473, 0.3750, 0.5235** is a light color, and the websafe version is hex **CCFF33**.

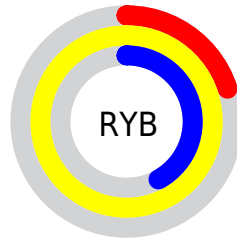
The color can be described as light washed yellow. A complement of this color would be **12.7975, 0.1892, 0.0956**, and the grayscale version is **68.7962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **46.0509, 0.3691, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **82.9505, 0.3743, 0.5355**, and if you desaturate by 10%, it is **85.3184, 0.3731, 0.5066**.

Distribution



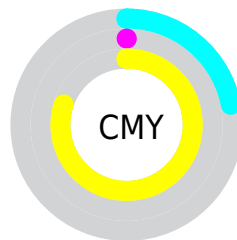
- Red (78%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (42%)



- Cyan (22%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0473, 0.3750, 0.5235 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 84.0473, 0.3750, 0.5235 by changing the saturation by 10% instead.


 84.0473, 0.3750,
0.5235


 84.0473, 0.3750,
0.5235


508.4703, 0.3559,
0.4358

 63.0545, 0.3764,
0.5414


 139.0413, 0.3707,
0.4945


 45.8853, 0.3765,
0.5620

 173.8114, 0.3684,
0.4828


 32.1553, 0.3743,
0.5857


 213.9426, 0.3660,
0.4725

 21.4802, 0.3681,
0.6127

 259.8194, 0.3638,
0.4634

 13.4754, 0.3557,
0.6443

 311.8261, 0.3616,
0.4553

 7.7567, 0.3281,
0.6719

370.3473, 0.3596,

 3.9397, 0.2866,

0.4481

0.7134

435.7672, 0.3577,
0.4417

■ 1.6399, 0.1886,
0.8114

■ 0.3843, 0.0000,
1.0000

■ 84.0473, 0.3750,
0.5235

■ 84.0473, 0.3750,
0.5235

■ 82.9505, 0.3743,
0.5355

■ 85.3184, 0.3731,
0.5066

■ 81.9888, 0.3714,
0.5431

■ 86.7706, 0.3686,
0.4854

■ 81.9531, 0.3713,
0.5434

■ 88.4229, 0.3619,
0.4609

■ 90.2886, 0.3534,
0.4343

■ 92.3799, 0.3438,
0.4068

■ 94.7078, 0.3334,
0.3795

■ 97.2824, 0.3228,
0.3531

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



84.0473, 0.4610, 0.4714



84.0473, 0.3750, 0.5235



84.0473, 0.2787, 0.5044

Triad

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



84.0473, 0.3750, 0.5235



84.0473, 0.1426, 0.2104



84.0473, 0.4288, 0.2634

Complementary

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



84.0473, 0.3750, 0.5235



12.7975, 0.1892, 0.0956

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.



84.0473, 0.3190, 0.2121



84.0473, 0.3750, 0.5235



84.0473, 0.1669, 0.1807

Square

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



84.0473, 0.3750, 0.5235



84.0473, 0.1510, 0.2829



84.0473, 0.2252, 0.1830



84.0473, 0.5057, 0.3280

Rectangle

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



84.0473, 0.3750, 0.5235



84.0473, 0.2208, 0.4401



84.0473, 0.2252, 0.1830



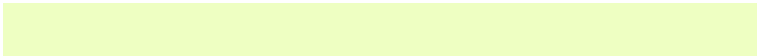
84.0473, 0.3931, 0.2443

Sweetspot

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



84.0511, 0.3750, 0.5235



93.6578, 0.3380, 0.3914



31.8411, 0.5482, 0.3712



19.8713, 0.3417, 0.4012



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.



84.0511, 0.3750, 0.5235



82.3256, 0.3726, 0.5407



74.4397, 0.3162, 0.5664



20.8289, 0.3227, 0.3528



42.9003, 0.3721, 0.5428



4.2309, 0.3777, 0.5383

Inverse Universe

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



12.7975, 0.1892, 0.0956



8.9976, 0.1689, 0.0717



23.0310, 0.2740, 0.1397



17.6156, 0.3021, 0.3047



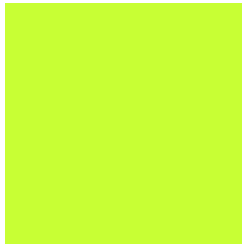
4.4968, 0.1665, 0.0691



0.4889, 0.1778, 0.0753

Previews

White Background



This preview shows how the Yxy color 84.0473, 0.3750, 0.5235 looks on a white background.

Color Contrast Check

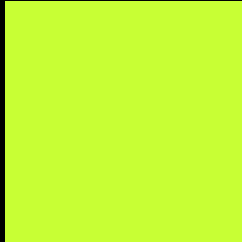
Large Text (above 18pt) WCAG AA × Fail

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 84.0473, 0.3750, 0.5235 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 84.0473, 0.3750, 0.5235

Background



This preview shows how black text looks on a background with the Yxy color 84.0473, 0.3750, 0.5235.

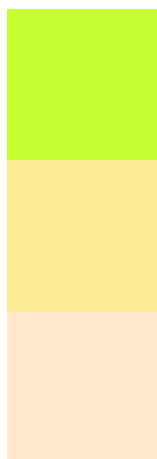


This preview shows how white text looks on a background with the Yxy color 84.0473, 0.3750, 0.5235.

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

84.0473, 0.3750, 0.5235

Protanopia

83.4529, 0.3816, 0.4150

Deuteranopia

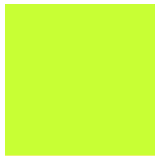
83.2850, 0.3479, 0.3583



Tritanopia

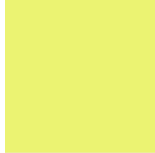
83.3180, 0.2924, 0.3105

Trichromacy



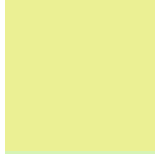
Original Color

84.0473, 0.3750, 0.5235



Protanomaly

82.9783, 0.3840, 0.4594



Deuteranomaly

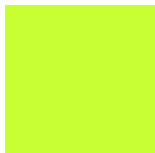
82.1205, 0.3666, 0.4254



Tritanomaly

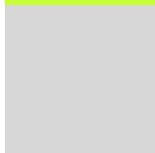
82.3337, 0.3309, 0.3982

Monochromacy



Original Color

84.0473, 0.3750, 0.5235



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.6956, 0.3462, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0473, 0.3750, 0.5235 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(200, 255, 52)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 52)  
}
```

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(200, 255, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 52) }
```

Border

The CSS property to change the border of an element to Yxy 84.0473, 0.3750, 0.5235 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(200, 255, 52) }
```

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

```
.border{ border-color:rgb(200, 255, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 52);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0473, 0.3750, 0.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 52) }
```

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

```
.background{ background-color: rgb(200,  
255, 52) }
```

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