

Converting Colors

$Y_{xy}(83.2284, 0.3711, 0.5270)$

Have a look what the booklet for
Yxy(83.2284, 0.3711, 0.5270)
contains.

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Color

Yxy(83.2284, 0.3711, 0.5270)

Conversions

Conversions Part 1

Format	Color
Hex	C2FF33
RGB	194, 255, 51
RGB Percent	76%, 100%, 20%
CMY	0.2391, 0.0000, 0.8005
CMYK	0.24, 0.00, 0.80, 0.00
HSL	78°, 100%, 60%
HSV	78°, 80%, 100%
XYZ	58.6073, 83.2284, 16.0929
YIQ	213.5050, 29.1280, -76.3760

Conversions

Conversions Part 2

Format	Color
RYB	51, 255, 112
Decimal	12779315
CIELab	93.11, -44.75, 82.38
CIElCh	93, 93.752, 118.509
Yxy	83.2284, 0.3711, 0.5270
Android (android.graphics.Color)	4290969395 (0xFFC2FF33)
YUV	213.5050, -80.1150, -17.1059
Hunter-Lab	91.2296, -44.9806, 53.4019

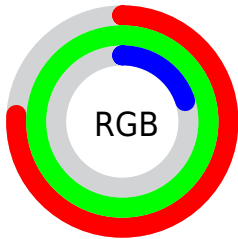
Details

The Yxy color **83.2284, 0.3711, 0.5270** is a light color, and the websafe version is hex **CCFF33**.

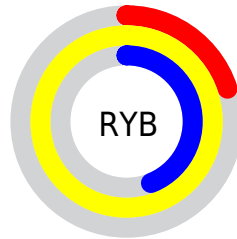
The color can be described as light washed yellow. A complement of this color would be **13.0130, 0.1923, 0.0966**, and the grayscale version is **67.4235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **45.5391, 0.3640, 0.5492** is the 20% darker color. If you saturate the color by 10%, you get **82.0813, 0.3699, 0.5393**, and if you desaturate by 10%, it is **84.5532, 0.3698, 0.5097**.

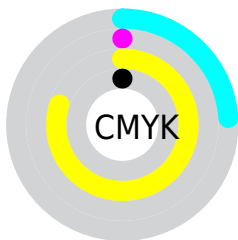
Distribution



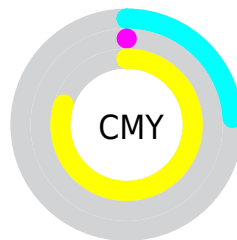
- Red (76%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (44%)



- Cyan (24%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2284, 0.3711, 0.5270 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 83.2284, 0.3711, 0.5270 by changing the saturation by 10% instead.


 83.2284, 0.3711,
0.5270

 83.2284, 0.3711,
0.5270

505.7474, 0.3539,
0.4372

 62.3786, 0.3720,
0.5455


 137.8953, 0.3675,
0.4972


 45.3387, 0.3716,
0.5669


 172.4812, 0.3654,
0.4851


 31.7243, 0.3686,
0.5914


 212.4146, 0.3633,
0.4746

 21.1510, 0.3615,
0.6197

 258.0798, 0.3612,
0.4653

 13.2344, 0.3475,
0.6525

 309.8613, 0.3592,
0.4570

 7.5902, 0.3180,
0.6820


368.1435, 0.3573,


 3.8338, 0.2737,


0.4497


0.7263


433.3107, 0.3555,
0.4431


 1.5811, 0.1539,
0.8461


 0.3448, 0.0000,
1.0000


 83.2284, 0.3711,
0.5270

 83.2284, 0.3711,
0.5270


 82.0813, 0.3699,
0.5393


 84.5532, 0.3698,
0.5097


 81.0821, 0.3665,
0.5472

 86.0697, 0.3659,
0.4881

 87.7947, 0.3598,
0.4632

 89.7421, 0.3519,
0.4362

 91.9240, 0.3428,
0.4084

 94.3517, 0.3329,
0.3808

 97.0357, 0.3228,
0.3542

99.9857, 0.3128,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



83.2284, 0.4590, 0.4755



83.2284, 0.3711, 0.5270



83.2284, 0.2739, 0.5040

Triad

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



83.2284, 0.3711, 0.5270



83.2284, 0.1414, 0.2069



83.2284, 0.4347, 0.2652

Complementary

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



83.2284, 0.3711, 0.5270



13.0130, 0.1923, 0.0966

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.



83.2284, 0.3237, 0.2127



83.2284, 0.3711, 0.5270



83.2284, 0.1672, 0.1787

Square

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



83.2284, 0.3711, 0.5270



83.2284, 0.1482, 0.2779



83.2284, 0.2276, 0.1823



83.2284, 0.5100, 0.3306

Rectangle

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



83.2284, 0.3711, 0.5270



83.2284, 0.2162, 0.4365



83.2284, 0.2276, 0.1823



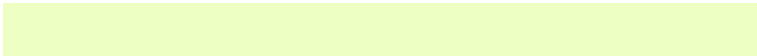
83.2284, 0.3989, 0.2457

Sweetspot

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



83.2299, 0.3711, 0.5270



93.3618, 0.3369, 0.3917



32.3746, 0.5464, 0.3742



19.7996, 0.3404, 0.4015



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.



83.2299, 0.3711, 0.5270



81.4711, 0.3680, 0.5444



74.1966, 0.3147, 0.5683



20.8024, 0.3223, 0.3528



42.4485, 0.3674, 0.5465



4.1899, 0.3734, 0.5417

Inverse Universe

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



13.0130, 0.1923, 0.0966



9.2957, 0.1723, 0.0736



23.3929, 0.2771, 0.1408



17.6407, 0.3025, 0.3048



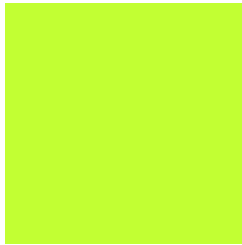
4.6465, 0.1698, 0.0709



0.5062, 0.1815, 0.0774

Previews

White Background



This preview shows how the Yxy color 83.2284, 0.3711, 0.5270 looks on a white background.

Color Contrast Check

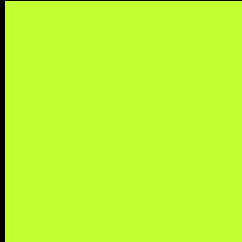
Large Text (above 18pt) WCAG AA × Fail

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 83.2284, 0.3711, 0.5270 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 83.2284, 0.3711, 0.5270

Background



This preview shows how black text looks on a background with the Yxy color 83.2284, 0.3711, 0.5270.

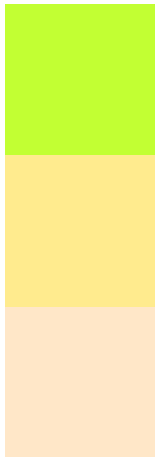


This preview shows how white text looks on a background with the Yxy color 83.2284, 0.3711, 0.5270.

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

83.2284, 0.3711, 0.5270

Protanopia

82.6297, 0.3869, 0.4216

Deuteranopia

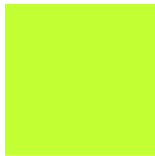
82.5820, 0.3501, 0.3603



Tritanopia

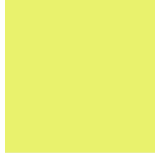
82.5401, 0.2893, 0.3103

Trichromacy



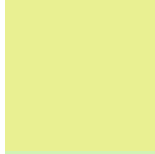
Original Color

83.2284, 0.3711, 0.5270



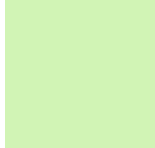
Protanomaly

81.9320, 0.3854, 0.4636



Deuteranomaly

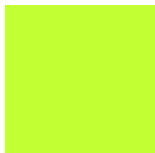
81.7191, 0.3663, 0.4280



Tritanomaly

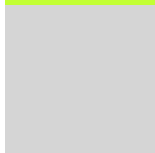
81.5929, 0.3275, 0.3990

Monochromacy



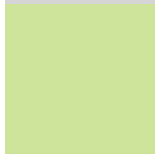
Original Color

83.2284, 0.3711, 0.5270



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.9417, 0.3450, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2284, 0.3711, 0.5270 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(194, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 51)  
}
```

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(194, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 83.2284, 0.3711, 0.5270 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(194, 255, 51) }
```

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

```
.border{ border-color:rgb(194, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2284, 0.3711, 0.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 51) }
```

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

```
.background{ background-color: rgb(194,  
255, 51) }
```

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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