

Converting Colors

Yxy(82.9956, 0.3731, 0.5331)

Have a look what the booklet for
Yxy(82.9956, 0.3731, 0.5331)
contains.

Yxy(82.9848, 0.3730, 0.5330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.9848, 0.3730, 0.5330)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF24
RGB	193, 255, 36
RGB Percent	76%, 100%, 14%
CMY	0.2431, 0.0000, 0.8583
CMYK	0.24, 0.00, 0.86, 0.00
HSL	77°, 100%, 57%
HSV	77°, 86%, 100%
XYZ	58.0738, 82.9848, 14.6352
YIQ	211.4960, 33.3470, -81.2530

Conversions

Conversions Part 2

Format	Color
R_{YB}	36, 255, 98
Decimal	12713764
CIE _{Lab}	93.01, -45.58, 85.49
CIE _{LCh}	93, 96.888, 118.065
Yxy	82.9848, 0.3730, 0.5330
Android (android.graphics.Color)	4290903844 (0xFFC1FF24)
YUV	211.4960, -86.5195, -16.2210
Hunter-Lab	91.0960, -45.6241, 54.2418

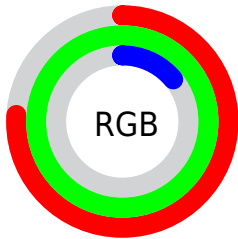
Details

The Yxy color **82.9848, 0.3730, 0.5330** is a light color, and the websafe version is hex **CCFF33**.

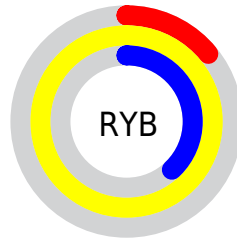
The color can be described as light washed yellow. A complement of this color would be **11.0931, 0.1821, 0.0851**, and the grayscale version is **66.0661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6314, 0.3954, 0.4672**, and **45.3747, 0.3623, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **81.9556, 0.3706, 0.5422**, and if you desaturate by 10%, it is **84.1749, 0.3729, 0.5188**.

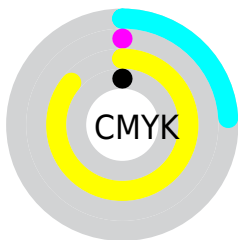
Distribution



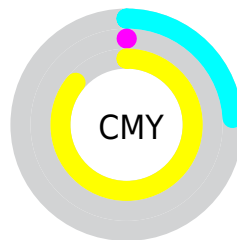
- Red (76%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (38%)



- Cyan (24%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9848, 0.3730, 0.5330 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 82.9848, 0.3730, 0.5330 by changing the saturation by 10% instead.


 82.9848, 0.3730,
0.5330


 82.9848, 0.3730,
0.5330

504.9359, 0.3558,
0.4410

 62.1776, 0.3736,
0.5517


 137.5542, 0.3696,
0.5027


 45.1762, 0.3727,
0.5731


 172.0851, 0.3676,
0.4903


 31.5963, 0.3690,
0.5974


 211.9595, 0.3654,
0.4795

 21.0533, 0.3614,
0.6263

 257.5616, 0.3633,
0.4699

 13.1630, 0.3445,
0.6555

 309.2759, 0.3613,
0.4614

 7.5409, 0.3143,
0.6857


367.4868, 0.3594,


 3.8026, 0.2690,


0.4539


0.7310

432.5787, 0.3575,
0.4471


 1.5638, 0.1407,
0.8593


 0.3330, 0.0000,
1.0000


 82.9848, 0.3730,
0.5330


 82.9848, 0.3730,
0.5330

 81.9556, 0.3706,
0.5422

 84.1749, 0.3729,
0.5188

 81.5597, 0.3692,
0.5451

 85.5410, 0.3702,
0.4999

 87.1020, 0.3651,
0.4771

 88.8723, 0.3579,
0.4515

90.8649, 0.3491,
0.4242

93.0915, 0.3394,
0.3966

95.5628, 0.3291,
0.3694

98.2890, 0.3187,
0.3434

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.



82.9848, 0.4633, 0.4774



82.9848, 0.3730, 0.5330



82.9848, 0.2733, 0.5121

Triad

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



82.9848, 0.3730, 0.5330



82.9848, 0.1370, 0.2038



82.9848, 0.4372, 0.2622

Complementary

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



82.9848, 0.3730, 0.5330



11.0931, 0.1821, 0.0851

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.



82.9848, 0.3221, 0.2089



82.9848, 0.3730, 0.5330



82.9848, 0.1628, 0.1749

Square

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



82.9848, 0.3730, 0.5330



82.9848, 0.1442, 0.2771



82.9848, 0.2238, 0.1783



82.9848, 0.5158, 0.3287

Rectangle

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



82.9848, 0.3730, 0.5330



82.9848, 0.2139, 0.4425



82.9848, 0.2238, 0.1783



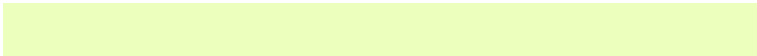
82.9848, 0.3999, 0.2424

Sweetspot

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



82.9867, 0.3730, 0.5330



93.0519, 0.3395, 0.3970



29.4820, 0.5697, 0.3683



19.7463, 0.3430, 0.4066



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.



82.9867, 0.3730, 0.5330



81.5597, 0.3692, 0.5451



73.6840, 0.3139, 0.5779



20.8171, 0.3225, 0.3528



42.6959, 0.3700, 0.5444



4.2124, 0.3758, 0.5398

Inverse Universe

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



11.0931, 0.1821, 0.0851



8.6064, 0.1666, 0.0691



21.3172, 0.2701, 0.1321



17.6268, 0.3023, 0.3047



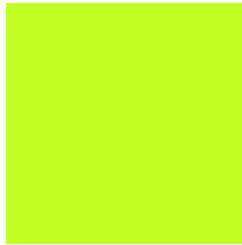
4.5616, 0.1680, 0.0699



0.4965, 0.1795, 0.0762

Previews

White Background



This preview shows how the Yxy color 82.9848, 0.3730, 0.5330 looks on a white background.

Color Contrast Check

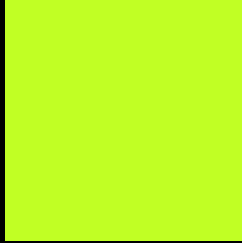
Large Text (above 18pt) WCAG AA × Fail

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 82.9848, 0.3730, 0.5330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

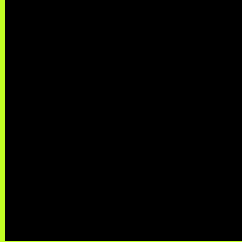
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9848, 0.3730, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 82.9848, 0.3730, 0.5330.

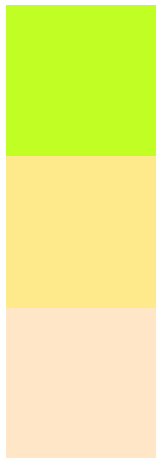


This preview shows how white text looks on a background with the Yxy color 82.9848, 0.3730, 0.5330.

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

82.9848, 0.3730, 0.5330

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

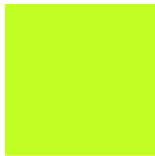
81.9771, 0.3510, 0.3604



Tritanopia

82.3873, 0.2887, 0.3103

Trichromacy



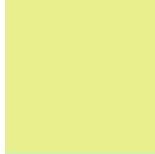
Original Color

82.9848, 0.3730, 0.5330



Protanomaly

81.6194, 0.3879, 0.4696



Deuteranomaly

80.7823, 0.3695, 0.4333



Tritanomaly

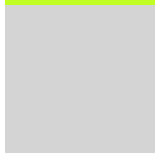
81.2064, 0.3304, 0.4059

Monochromacy



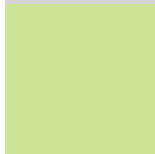
Original Color

82.9848, 0.3730, 0.5330



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.6041, 0.3480, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9848, 0.3730, 0.5330 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(193, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 36)  
}
```

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(193, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 36) }
```

Border

The CSS property to change the border of an element to Yxy 82.9848, 0.3730, 0.5330 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(193, 255, 36) }
```

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

```
.border{ border-color:rgb(193, 255, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9848, 0.3730, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 36) }
```

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

```
.background{ background-color: rgb(193,  
255, 36) }
```

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