

Converting Colors

Yxy(88.4527, 0.3523, 0.4931)

Have a look what the booklet for
Yxy(88.4527, 0.3523, 0.4931)
contains.

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Color

Yxy(84.3173, 0.3547, 0.4889)

Conversions

Conversions Part 1

Format	Color
Hex	C4FF6B
RGB	196, 255, 107
RGB Percent	77%, 100%, 42%
CMY	0.2315, 0.0000, 0.5802
CMYK	0.23, 0.00, 0.58, 0.00
HSL	84°, 100%, 71%
HSV	84°, 58%, 100%
XYZ	61.1727, 84.3173, 26.9733
YIQ	220.4870, 12.3440, -58.5360

Conversions

Conversions Part 2

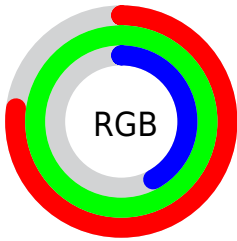
Format	Color
RYB	107, 255, 166
Decimal	12910443
CIELab	93.59, -40.67, 63.34
CIElCh	94, 75.269, 122.705
Yxy	84.3173, 0.3547, 0.4889
Android (android.graphics.Color)	4291100523 (0xFFC4FF6B)
YUV	220.4870, -55.9491, -21.4751
Hunter-Lab	91.8245, -41.7775, 46.8608

Details

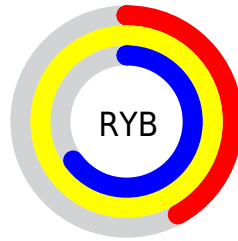
The Yxy color **84.3173, 0.3547, 0.4889** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.8627, 0.2404, 0.1592**, and the grayscale version is **72.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **46.1074, 0.3579, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **82.5342, 0.3574, 0.5133**, and if you desaturate by 10%, it is **86.3421, 0.3499, 0.4616**.

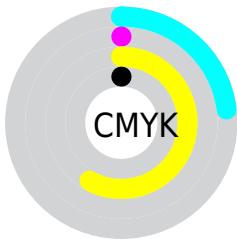
Distribution



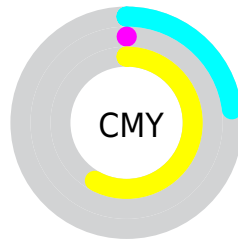
- Red (77%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3173, 0.3547, 0.4889 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 84.3173, 0.3547, 0.4889 by changing the saturation by 10% instead.


 84.3173, 0.3547,
0.4889


 84.3173, 0.3547,
0.4889


509.3663, 0.3406,
0.4143


 63.2774, 0.3563,
0.5053


 139.4189, 0.3510,
0.4634


 46.0657, 0.3575,
0.5251


 174.2495, 0.3493,
0.4533

 32.2977, 0.3575,
0.5492


 214.4458, 0.3475,
0.4446

 21.5890, 0.3552,
0.5785

 260.3921, 0.3459,
0.4370

 13.5552, 0.3482,
0.6144

312.4730, 0.3445,
0.4303

 7.8120, 0.3354,
0.6646


371.0727, 0.3431,


 3.9749, 0.2958,


0.4244


0.7042


436.5757, 0.3418,
0.4191


 1.6595, 0.2084,
0.7916


 0.3972, 0.0000,
1.0000

 84.3173, 0.3547,
0.4889


 84.3173, 0.3547,
0.4889

 82.5342, 0.3574,
0.5133


 86.3421, 0.3499,
0.4616


 80.9903, 0.3576,
0.5335


 88.6366, 0.3436,
0.4329


 79.6621, 0.3554,
0.5487

 91.2094, 0.3361,
0.4039

 78.5248, 0.3511,
0.5586

 94.0725, 0.3279,
0.3758

 78.3155, 0.3501,
0.5602

 97.2371, 0.3195,
0.3491

100.0000, 0.3127,
0.3290

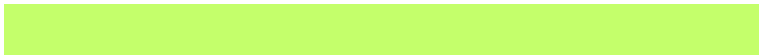
Harmonies

Analogous

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



84.3173, 0.4288, 0.4615



84.3173, 0.3547, 0.4889



84.3173, 0.2738, 0.4554

Triad

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



84.3173, 0.3547, 0.4889



84.3173, 0.1697, 0.2242



84.3173, 0.4219, 0.2850

Complementary

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



84.3173, 0.3547, 0.4889



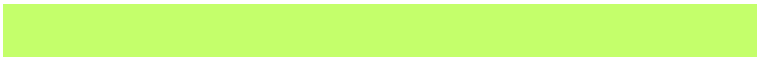
25.8627, 0.2404, 0.1592

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.



84.3173, 0.3355, 0.2372



84.3173, 0.3547, 0.4889



84.3173, 0.1965, 0.2022

Square

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



84.3173, 0.3547, 0.4889



84.3173, 0.1728, 0.2800



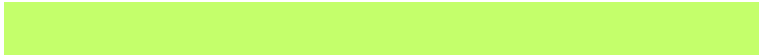
84.3173, 0.2532, 0.2079



84.3173, 0.4760, 0.3433

Rectangle

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



84.3173, 0.3547, 0.4889



84.3173, 0.2270, 0.4001



84.3173, 0.2532, 0.2079



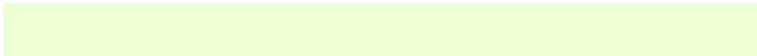
84.3173, 0.3948, 0.2675

Sweetspot

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



84.3128, 0.3547, 0.4889



94.3812, 0.3270, 0.3730



48.7892, 0.4525, 0.3865



20.0719, 0.3287, 0.3785



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.



84.3128, 0.3547, 0.4889



82.2104, 0.3576, 0.5177



76.8909, 0.3119, 0.5127



20.7080, 0.3207, 0.3529



41.0108, 0.3512, 0.5594



4.0566, 0.3588, 0.5533

Inverse Universe

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



25.8627, 0.2404, 0.1592



18.7291, 0.2218, 0.1265



35.8779, 0.3033, 0.1861



17.7314, 0.3041, 0.3049



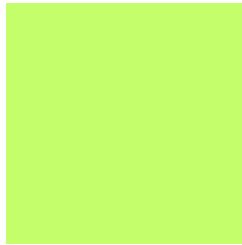
5.3223, 0.1841, 0.0788



0.5796, 0.1966, 0.0857

Previews

White Background



This preview shows how the Yxy color 84.3173, 0.3547, 0.4889 looks on a white background.

Color Contrast Check

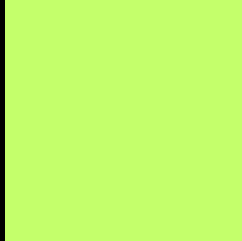
Large Text (above 18pt) WCAG AA × Fail

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 84.3173, 0.3547, 0.4889 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 84.3173, 0.3547, 0.4889

Background



This preview shows how black text looks on a background with the Yxy color 84.3173, 0.3547, 0.4889.

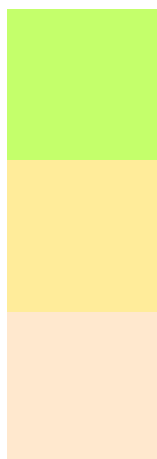


This preview shows how white text looks on a background with the Yxy color 84.3173, 0.3547, 0.4889.

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

84.3173, 0.3547, 0.4889

Protanopia

83.5840, 0.3791, 0.4111

Deuteranopia

83.4295, 0.3459, 0.3552



Tritanopia

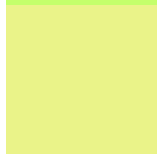
84.0131, 0.2906, 0.3125

Trichromacy



Original Color

84.3173, 0.3547, 0.4889



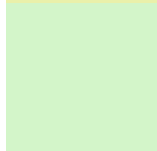
Protanomaly

83.3998, 0.3711, 0.4391



Deuteranomaly

82.7149, 0.3525, 0.4030



Tritanomaly

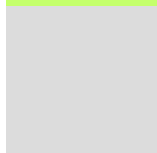
83.3707, 0.3169, 0.3771

Monochromacy



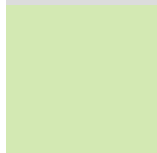
Original Color

84.3173, 0.3547, 0.4889



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.3814, 0.3317, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3173, 0.3547, 0.4889 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(196, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 107)  
}
```

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(196, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 107) }
```

Border

The CSS property to change the border of an element to Yxy 84.3173, 0.3547, 0.4889 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(196, 255, 107) }
```

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

```
.border{ border-color:rgb(196, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3173, 0.3547, 0.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 107) }
```

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

```
.background{ background-color: rgb(196,  
255, 107) }
```

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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