

Converting Colors

$Yxy(92.5269, 0.3565, 0.5085)$

Have a look what the booklet for
Yxy(92.5269, 0.3565, 0.5085)
contains.

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Color

Yxy(84.1630, 0.3613, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF5C
RGB	197, 255, 92
RGB Percent	77%, 100%, 36%
CMY	0.2274, 0.0000, 0.6391
CMYK	0.23, 0.00, 0.64, 0.00
HSL	81°, 100%, 68%
HSV	81°, 64%, 100%
XYZ	60.7190, 84.1630, 23.1751
YIQ	219.0760, 17.7550, -62.9890

Conversions

Conversions Part 2

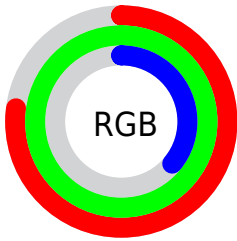
Format	Color
R _Y B	92, 255, 150
Decimal	12975964
CIE Lab	93.52, -41.45, 69.42
CIE LCh	94, 80.851, 120.842
Yxy	84.1630, 0.3613, 0.5008
Android (android.graphics.Color)	4291166044 (0xFFC5FF5C)
YUV	219.0760, -62.6485, -19.3607
Hunter-Lab	91.7404, -42.4042, 49.2407

Details

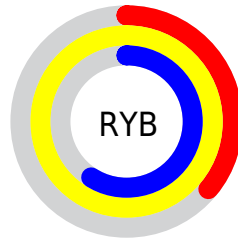
The Yxy color **84.1630, 0.3613, 0.5008** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **21.3653, 0.2256, 0.1399**, and the grayscale version is **71.3301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **45.9610, 0.3638, 0.5385** is the 20% darker color. If you saturate the color by 10%, you get **82.6018, 0.3633, 0.5220**, and if you desaturate by 10%, it is **85.9497, 0.3570, 0.4759**.

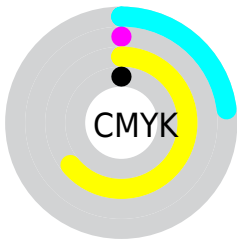
Distribution



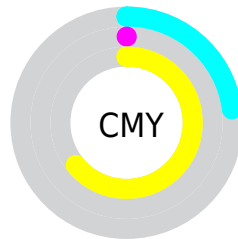
- Red (77%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (59%)



- Cyan (23%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1630, 0.3613, 0.5008 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 84.1630, 0.3613, 0.5008 by changing the saturation by 10% instead.


 84.1630, 0.3613,
0.5008


 84.1630, 0.3613,
0.5008


508.8544, 0.3453,
0.4214


 63.1500, 0.3630,
0.5180

 139.2032, 0.3573,
0.4738

 45.9626, 0.3639,
0.5384

 173.9991, 0.3553,
0.4631

 32.2163, 0.3634,
0.5628


 214.1582, 0.3534,
0.4538

 21.5268, 0.3600,
0.5920

 260.0649, 0.3515,
0.4457

 13.5096, 0.3525,
0.6292

312.1034, 0.3498,
0.4385

 7.7804, 0.3321,
0.6679

370.6582, 0.3482,

 3.9547, 0.2917,

0.4321

0.7083

436.1137, 0.3467,
0.4265

■ 1.6483, 0.1995,
0.8005

■ 0.3898, 0.0000,
1.0000

■ 84.1630, 0.3613,
0.5008

■ 84.1630, 0.3613,
0.5008

■ 82.6018, 0.3633,
0.5220

■ 85.9497, 0.3570,
0.4759

■ 81.2465, 0.3627,
0.5385

■ 87.9741, 0.3508,
0.4486

■ 80.0774, 0.3597,
0.5499

■ 90.2504, 0.3431,
0.4202

■ 79.4394, 0.3570,
0.5547

■ 92.7907, 0.3345,
0.3919

 95.6062, 0.3254,
0.3645

 98.7073, 0.3163,
0.3386

100.0000, 0.3127,
0.3290

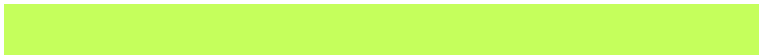
Harmonies

Analogous

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



84.1630, 0.4394, 0.4658



84.1630, 0.3613, 0.5008



84.1630, 0.2752, 0.4707

Triad

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



84.1630, 0.3613, 0.5008



84.1630, 0.1606, 0.2195



84.1630, 0.4247, 0.2781

Complementary

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



84.1630, 0.3613, 0.5008



21.3653, 0.2256, 0.1399

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.



84.1630, 0.3307, 0.2290



84.1630, 0.3613, 0.5008



84.1630, 0.1867, 0.1950

Square

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



84.1630, 0.3613, 0.5008



84.1630, 0.1655, 0.2805



84.1630, 0.2443, 0.1997



84.1630, 0.4859, 0.3387

Rectangle

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



84.1630, 0.3613, 0.5008



84.1630, 0.2247, 0.4121



84.1630, 0.2443, 0.1997



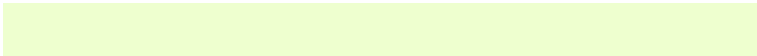
84.1630, 0.3949, 0.2600

Sweetspot

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



84.1638, 0.3613, 0.5008



94.1383, 0.3301, 0.3783



43.5495, 0.4765, 0.3848



19.9797, 0.3327, 0.3862



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.



84.1638, 0.3613, 0.5008



82.1619, 0.3634, 0.5277



76.0387, 0.3134, 0.5301



20.7485, 0.3214, 0.3529



41.5957, 0.3580, 0.5540



4.1114, 0.3650, 0.5484

Inverse Universe

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



21.3653, 0.2256, 0.1399



14.9421, 0.2048, 0.1071



31.7938, 0.2967, 0.1725



17.6922, 0.3035, 0.3048



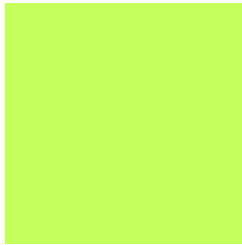
5.0037, 0.1775, 0.0751



0.5458, 0.1898, 0.0819

Previews

White Background



This preview shows how the Yxy color 84.1630, 0.3613, 0.5008 looks on a white background.

Color Contrast Check

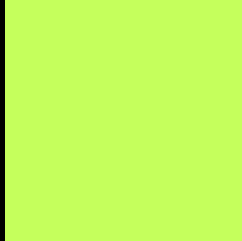
Large Text (above 18pt) WCAG AA × Fail

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 84.1630, 0.3613, 0.5008 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

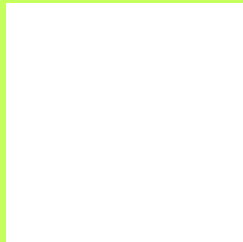
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1630, 0.3613, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 84.1630, 0.3613, 0.5008.

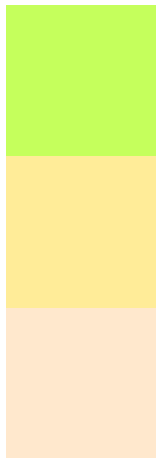


This preview shows how white text looks on a background with the Yxy color 84.1630, 0.3613, 0.5008.

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

84.1630, 0.3613, 0.5008

Protanopia

83.5179, 0.3803, 0.4131

Deuteranopia

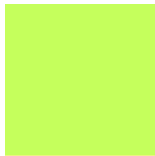
83.3810, 0.3465, 0.3562



Tritanopia

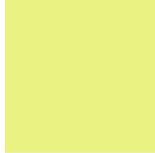
83.5847, 0.2912, 0.3115

Trichromacy



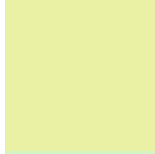
Original Color

84.1630, 0.3613, 0.5008



Protanomaly

83.2053, 0.3750, 0.4456



Deuteranomaly

82.4929, 0.3562, 0.4093



Tritanomaly

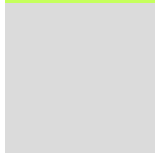
82.6839, 0.3206, 0.3816

Monochromacy



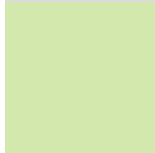
Original Color

84.1630, 0.3613, 0.5008



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.5792, 0.3357, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1630, 0.3613, 0.5008 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(197, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 92)  
}
```

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(197, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 84.1630, 0.3613, 0.5008 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(197, 255, 92) }
```

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

```
.border{ border-color:rgb(197, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1630, 0.3613, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 92) }
```

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

```
.background{ background-color: rgb(197,  
255, 92) }
```

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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