

Converting Colors

Yxy(84.6618, 0.3623, 0.5050)

Have a look what the booklet for
Yxy(84.6618, 0.3623, 0.5050)
contains.

Yxy(84.0784, 0.3631, 0.5045)	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(84.0784, 0.3631, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF57
RGB	197, 255, 87
RGB Percent	77%, 100%, 34%
CMY	0.2273, 0.0000, 0.6586
CMYK	0.23, 0.00, 0.66, 0.00
HSL	81°, 100%, 67%
HSV	81°, 66%, 100%
XYZ	60.5131, 84.0784, 22.0654
YIQ	218.5060, 19.3600, -64.5440

Conversions

Conversions Part 2

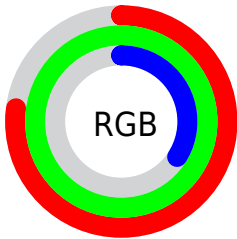
Format	Color
R _Y B	87, 255, 145
Decimal	12975959
CIE Lab	93.48, -41.78, 71.29
CIE LCh	93, 82.631, 120.372
Yxy	84.0784, 0.3631, 0.5045
Android (android.graphics.Color)	4291166039 (0xFFC5FF57)
YUV	218.5060, -64.8325, -18.8608
Hunter-Lab	91.6943, -42.6649, 49.9184

Details

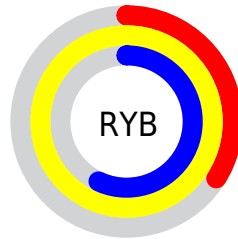
The Yxy color **84.0784, 0.3631, 0.5045** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **20.0656, 0.2210, 0.1338**, and the grayscale version is **70.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **45.9176, 0.3657, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **82.5821, 0.3647, 0.5247**, and if you desaturate by 10%, it is **85.7987, 0.3590, 0.4804**.

Distribution



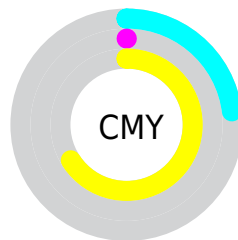
- Red (77%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (57%)



- Cyan (23%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0784, 0.3631, 0.5045 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 84.0784, 0.3631, 0.5045 by changing the saturation by 10% instead.


 84.0784, 0.3631,
0.5045


 84.0784, 0.3631,
0.5045


508.5736, 0.3467,
0.4236


 63.0802, 0.3647,
0.5219


 139.0848, 0.3591,
0.4771

 45.9061, 0.3656,
0.5425


 173.8618, 0.3570,
0.4662

 32.1717, 0.3648,
0.5670


 214.0005, 0.3550,
0.4567

 21.4927, 0.3609,
0.5960

 259.8854, 0.3531,
0.4484

 13.4846, 0.3536,
0.6343

311.9007, 0.3514,
0.4411

 7.7631, 0.3308,
0.6692

370.4309, 0.3497,

 3.9437, 0.2899,

0.4346

0.7101

435.8604, 0.3481,
0.4288

■ 1.6421, 0.1955,
0.8045

■ 0.3858, 0.0000,
1.0000

■ 84.0784, 0.3631,
0.5045

■ 84.0784, 0.3631,
0.5045

■ 82.5821, 0.3647,
0.5247

■ 85.7987, 0.3590,
0.4804

■ 81.2812, 0.3638,
0.5400


■ 87.7468, 0.3530,
0.4537


■ 80.1579, 0.3605,
0.5502

■ 89.9400, 0.3453,
0.4256

■ 79.7326, 0.3587,
0.5534

■ 92.3904, 0.3367,
0.3973

 95.1094, 0.3275,
0.3697

 98.1073, 0.3182,
0.3435

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



84.0784, 0.4425, 0.4671



84.0784, 0.3631, 0.5045



84.0784, 0.2754, 0.4755

Triad

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



84.0784, 0.3631, 0.5045



84.0784, 0.1579, 0.2179



84.0784, 0.4258, 0.2761

Complementary

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



84.0784, 0.3631, 0.5045



20.0656, 0.2210, 0.1338

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.



84.0784, 0.3294, 0.2266



84.0784, 0.3631, 0.5045



84.0784, 0.1838, 0.1927

Square

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



84.0784, 0.3631, 0.5045



84.0784, 0.1631, 0.2805



84.0784, 0.2417, 0.1971



84.0784, 0.4891, 0.3374

Rectangle

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



84.0784, 0.3631, 0.5045



84.0784, 0.2238, 0.4158



84.0784, 0.2417, 0.1971



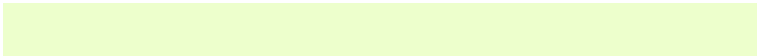
84.0784, 0.3951, 0.2578

Sweetspot

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



84.0821, 0.3631, 0.5045



93.9525, 0.3313, 0.3810



41.6031, 0.4858, 0.3828



19.9470, 0.3339, 0.3887



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.



84.0821, 0.3631, 0.5045



82.1545, 0.3647, 0.5300



75.8556, 0.3144, 0.5352



20.7585, 0.3216, 0.3529



41.7486, 0.3597, 0.5526



4.1256, 0.3666, 0.5472

Inverse Universe

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



20.0656, 0.2210, 0.1338



14.0338, 0.2003, 0.1021



30.3762, 0.2933, 0.1677



17.6825, 0.3033, 0.3048



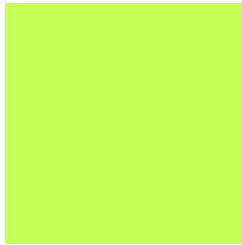
4.9313, 0.1759, 0.0743



0.5379, 0.1882, 0.0810

Previews

White Background



This preview shows how the Yxy color 84.0784, 0.3631, 0.5045 looks on a white background.

Color Contrast Check

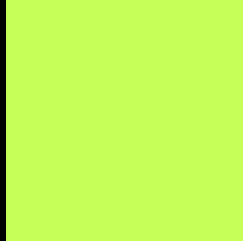
Large Text (above 18pt) WCAG AA × Fail

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 84.0784, 0.3631, 0.5045 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

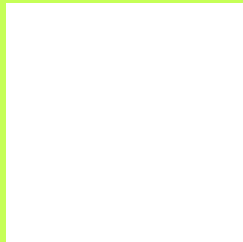
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0784, 0.3631, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 84.0784, 0.3631, 0.5045.

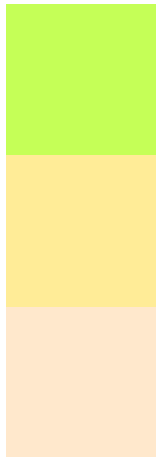


This preview shows how white text looks on a background with the Yxy color 84.0784, 0.3631, 0.5045.

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

84.0784, 0.3631, 0.5045

Protanopia

83.4853, 0.3810, 0.4140

Deuteranopia

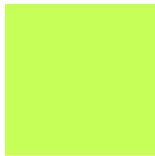
83.3329, 0.3472, 0.3572



Tritanopia

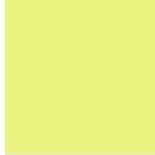
83.5847, 0.2912, 0.3115

Trichromacy



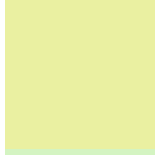
Original Color

84.0784, 0.3631, 0.5045



Protanomaly

83.1521, 0.3761, 0.4475



Deuteranomaly

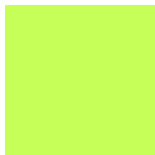
82.3858, 0.3581, 0.4124



Tritanomaly

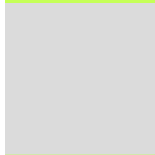
82.5935, 0.3218, 0.3839

Monochromacy



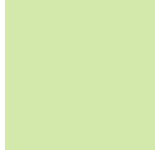
Original Color

84.0784, 0.3631, 0.5045



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.5024, 0.3370, 0.3981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0784, 0.3631, 0.5045 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 84.0784, 0.3631, 0.5045 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, 87) }
```

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

```
.border{ border-color:rgb(197, 255, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0784, 0.3631, 0.5045 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, 87) }
```

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

```
.background{ background-color: rgb(197,  
255, 87) }
```

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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