

Converting Colors

$Yxy(84.6940, 0.3592, 0.4918)$

Have a look what the booklet for
Yxy(84.6940, 0.3592, 0.4918)
contains.

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Color

Yxy(84.7587, 0.3595, 0.4916)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF66
RGB	200, 255, 102
RGB Percent	78%, 100%, 40%
CMY	0.2156, 0.0000, 0.5998
CMYK	0.22, 0.00, 0.60, 0.00
HSL	82°, 100%, 70%
HSV	82°, 60%, 100%
XYZ	61.9828, 84.7587, 25.6724
YIQ	221.1130, 16.3330, -59.2430

Conversions

Conversions Part 2

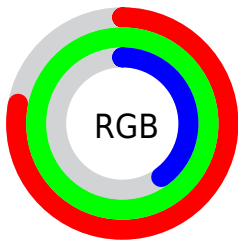
Format	Color
RYB	102, 255, 157
Decimal	13172582
CIELab	93.78, -39.59, 65.72
CIELCh	94, 76.723, 121.068
Yxy	84.7587, 0.3595, 0.4916
Android (android.graphics.Color)	4291362662 (0xFFC8FF66)
YUV	221.1130, -58.7227, -18.5161
Hunter-Lab	92.0645, -40.9370, 47.9120

Details

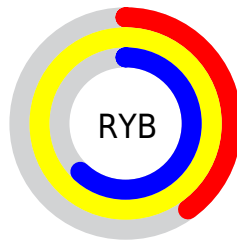
The Yxy color **84.7587, 0.3595, 0.4916** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **23.9004, 0.2325, 0.1514**, and the grayscale version is **72.8085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **46.3208, 0.3623, 0.5277** is the 20% darker color. If you saturate the color by 10%, you get **83.1066, 0.3624, 0.5145**, and if you desaturate by 10%, it is **86.6486, 0.3544, 0.4655**.

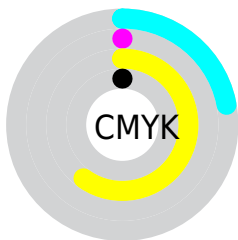
Distribution



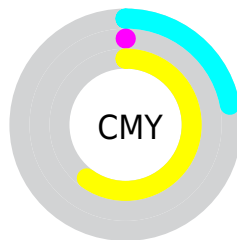
- Red (78%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (62%)



- Cyan (22%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7587, 0.3595, 0.4916 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 84.7587, 0.3595, 0.4916 by changing the saturation by 10% instead.


 84.7587, 0.3595,
0.4916


 84.7587, 0.3595,
0.4916


510.8293, 0.3436,
0.4163

 63.6420, 0.3614,
0.5080


 140.0360, 0.3553,
0.4659

 46.3608, 0.3628,
0.5277


 174.9654, 0.3533,
0.4558

 32.5306, 0.3631,
0.5514


 215.2678, 0.3514,
0.4470

 21.7671, 0.3610,
0.5800

 261.3277, 0.3496,
0.4393

 13.6859, 0.3543,
0.6150

313.5294, 0.3479,
0.4325

 7.9025, 0.3401,
0.6599


372.2573, 0.3463,

 4.0326, 0.3019,


0.4265

0.6981


437.8958, 0.3449,
0.4211


 1.6918, 0.2222,
0.7778

 0.4184, 0.0000,
1.0000

 84.7587, 0.3595,
0.4916


 84.7587, 0.3595,
0.4916


 83.1066, 0.3624,
0.5145

 86.6486, 0.3544,
0.4655


 81.6664, 0.3627,
0.5330

 88.7807, 0.3476,
0.4376

 80.4223, 0.3606,
0.5465

 91.1710, 0.3396,
0.4091

 79.3442, 0.3564,
0.5552

 93.8313, 0.3309,
0.3810

 79.3426, 0.3564,
0.5552

 96.7726, 0.3218,
0.3541

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.



84.7587, 0.4339, 0.4606



84.7587, 0.3595, 0.4916



84.7587, 0.2772, 0.4616

Triad

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



84.7587, 0.3595, 0.4916



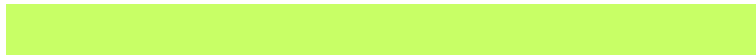
84.7587, 0.1671, 0.2247



84.7587, 0.4195, 0.2812

Complementary

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



84.7587, 0.3595, 0.4916



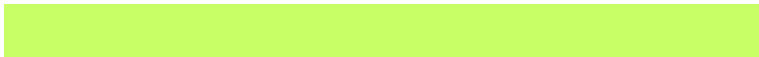
23.9004, 0.2325, 0.1514

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.



84.7587, 0.3308, 0.2337



84.7587, 0.3595, 0.4916



84.7587, 0.1926, 0.2008

Square

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



84.7587, 0.3595, 0.4916



84.7587, 0.1718, 0.2831



84.7587, 0.2483, 0.2053



84.7587, 0.4772, 0.3398

Rectangle

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



84.7587, 0.3595, 0.4916



84.7587, 0.2290, 0.4067



84.7587, 0.2483, 0.2053



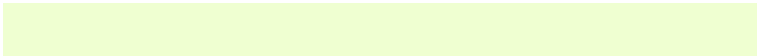
84.7587, 0.3914, 0.2637

Sweetspot

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



84.7620, 0.3595, 0.4916



94.3925, 0.3291, 0.3755



45.8546, 0.4628, 0.3827



20.0286, 0.3317, 0.3835



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.



84.7620, 0.3595, 0.4916



82.7996, 0.3626, 0.5186



76.8388, 0.3141, 0.5178



20.7451, 0.3213, 0.3529



41.5454, 0.3574, 0.5544



4.1067, 0.3645, 0.5488

Inverse Universe

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



23.9004, 0.2325, 0.1514



17.1293, 0.2131, 0.1188



33.8955, 0.2981, 0.1801



17.6954, 0.3035, 0.3048



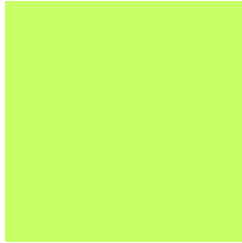
5.0285, 0.1780, 0.0754



0.5485, 0.1903, 0.0822

Previews

White Background



This preview shows how the Yxy color 84.7587, 0.3595, 0.4916 looks on a white background.

Color Contrast Check

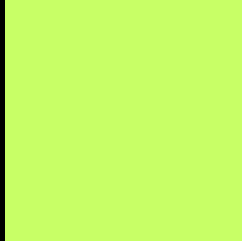
Large Text (above 18pt) WCAG AA × Fail

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 84.7587, 0.3595, 0.4916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

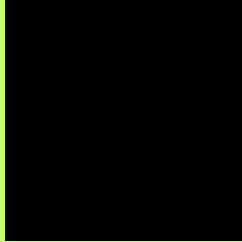
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7587, 0.3595, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 84.7587, 0.3595, 0.4916.

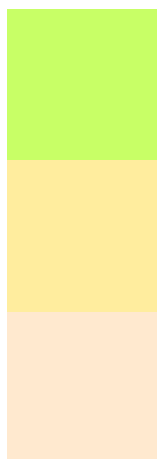


This preview shows how white text looks on a background with the Yxy color 84.7587, 0.3595, 0.4916.

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

84.7587, 0.3595, 0.4916

Protanopia

84.2970, 0.3762, 0.4082

Deuteranopia

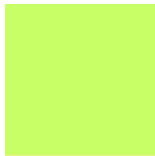
84.0428, 0.3450, 0.3552



Tritanopia

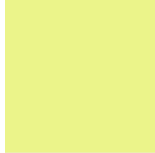
84.4826, 0.2924, 0.3126

Trichromacy



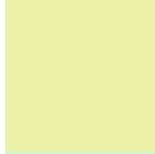
Original Color

84.7587, 0.3595, 0.4916



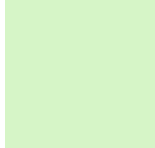
Protanomaly

84.1985, 0.3709, 0.4387



Deuteranomaly

83.4373, 0.3536, 0.4048



Tritanomaly

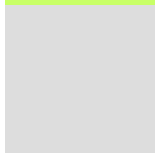
83.7245, 0.3200, 0.3790

Monochromacy



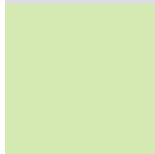
Original Color

84.7587, 0.3595, 0.4916



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.6383, 0.3338, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7587, 0.3595, 0.4916 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(200, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 102)  
}
```

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(200, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 84.7587, 0.3595, 0.4916 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(200, 255, 102) }
```

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

```
.border{ border-color:rgb(200, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7587, 0.3595, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 102) }
```

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

```
.background{ background-color: rgb(200,  
255, 102) }
```

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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