

Converting Colors

Yxy(84.6828, 0.3526, 0.4818)

Have a look what the booklet for
Yxy(84.6828, 0.3526, 0.4818)
contains.

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Color

Yxy(84.6052, 0.3524, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF72
RGB	197, 255, 114
RGB Percent	77%, 100%, 45%
CMY	0.2276, 0.0000, 0.5529
CMYK	0.23, 0.00, 0.55, 0.00
HSL	85°, 100%, 72%
HSV	85°, 55%, 100%
XYZ	61.8181, 84.6052, 28.9970
YIQ	221.5840, 10.6930, -56.1470

Conversions

Conversions Part 2

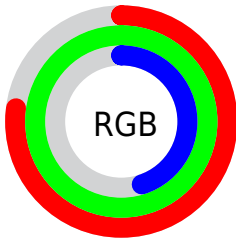
Format	Color
RYB	114, 255, 172
Decimal	12975986
CIELab	93.71, -39.69, 60.48
CIElCh	94, 72.346, 123.274
Yxy	84.6052, 0.3524, 0.4823
Android (android.graphics.Color)	4291166066 (0xFFC5FF72)
YUV	221.5840, -53.0389, -21.5602
Hunter-Lab	91.9811, -41.0017, 45.6956

Details

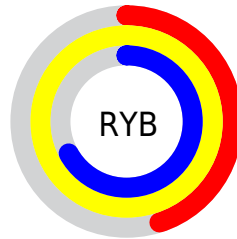
The Yxy color **84.6052, 0.3524, 0.4823** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **28.0359, 0.2461, 0.1679**, and the grayscale version is **73.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **46.2794, 0.3554, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **82.7317, 0.3555, 0.5079**, and if you desaturate by 10%, it is **86.7320, 0.3474, 0.4543**.

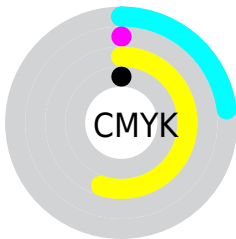
Distribution



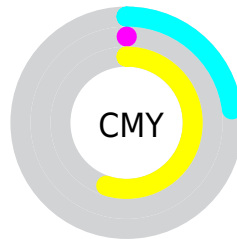
- Red (77%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (67%)



- Cyan (23%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6052, 0.3524, 0.4823 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 84.6052, 0.3524, 0.4823 by changing the saturation by 10% instead.


 84.6052, 0.3524,
0.4823


 84.6052, 0.3524,
0.4823


510.3208, 0.3388,
0.4107


 63.5152, 0.3541,
0.4982


 139.8214, 0.3488,
0.4577

 46.2581, 0.3554,
0.5174


 174.7165, 0.3471,
0.4480

 32.4496, 0.3557,
0.5409


 214.9820, 0.3454,
0.4397

 21.7051, 0.3541,
0.5698

261.0025, 0.3439,
0.4324

 13.6404, 0.3482,
0.6055

313.1621, 0.3425,
0.4260

 7.8710, 0.3395,
0.6605

371.8455, 0.3412,

 4.0125, 0.3011,

0.4203

0.6989

437.4369, 0.3399,
0.4152

■ 1.6806, 0.2200,
0.7800

■ 0.4110, 0.0000,
1.0000

■ 84.6052, 0.3524,
0.4823

■ 84.6052, 0.3524,
0.4823

■ 82.7317, 0.3555,
0.5079

■ 86.7320, 0.3474,
0.4543

■ 81.1065, 0.3562,
0.5296

■ 89.1370, 0.3409,
0.4252


■ 79.7078, 0.3545,
0.5464

■ 91.8297, 0.3333,
0.3962

■ 78.5136, 0.3505,
0.5578

■ 94.8219, 0.3253,
0.3683

 78.0074, 0.3481,
0.5618

 98.1249, 0.3170,
0.3421

100.0000, 0.3127,
0.3290

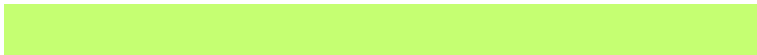
Harmonies

Analogous

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



84.6052, 0.4241, 0.4581



84.6052, 0.3524, 0.4823



84.6052, 0.2743, 0.4485

Triad

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



84.6052, 0.3524, 0.4823



84.6052, 0.1746, 0.2274



84.6052, 0.4190, 0.2878

Complementary

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



84.6052, 0.3524, 0.4823



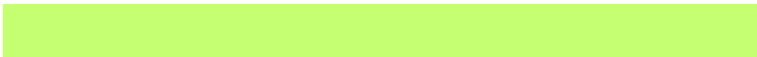
28.0359, 0.2461, 0.1679

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.



84.6052, 0.3364, 0.2410



84.6052, 0.3524, 0.4823



84.6052, 0.2012, 0.2062

Square

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



84.6052, 0.3524, 0.4823



84.6052, 0.1772, 0.2810



84.6052, 0.2568, 0.2122



84.6052, 0.4701, 0.3447

Rectangle

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



84.6052, 0.3524, 0.4823



84.6052, 0.2293, 0.3955



84.6052, 0.2568, 0.2122



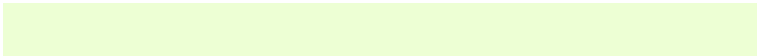
84.6052, 0.3932, 0.2707

Sweetspot

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



84.6016, 0.3524, 0.4823



94.2872, 0.3267, 0.3730



51.3798, 0.4421, 0.3867



20.0497, 0.3283, 0.3786



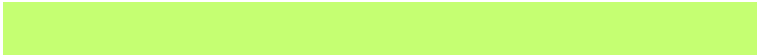
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6016, 0.3524, 0.4823



82.6077, 0.3556, 0.5096



77.3338, 0.3111, 0.5042



20.6963, 0.3205, 0.3529



40.8501, 0.3492, 0.5609



4.0415, 0.3570, 0.5548

Inverse Universe

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



28.0359, 0.2461, 0.1679



21.0535, 0.2297, 0.1376



37.9429, 0.3061, 0.1926



17.7428, 0.3043, 0.3049



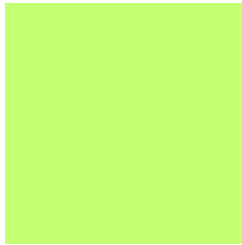
5.4230, 0.1861, 0.0799



0.5901, 0.1987, 0.0868

Previews

White Background



This preview shows how the Yxy color 84.6052, 0.3524, 0.4823 looks on a white background.

Color Contrast Check

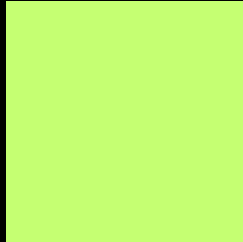
Large Text (above 18pt) WCAG AA × Fail

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 84.6052, 0.3524, 0.4823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

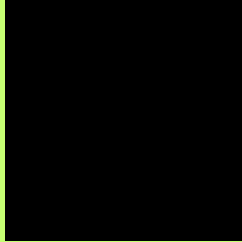
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6052, 0.3524, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 84.6052, 0.3524, 0.4823.

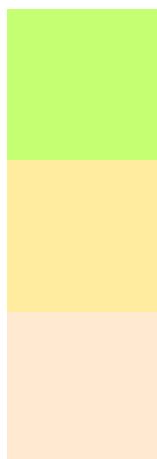


This preview shows how white text looks on a background with the Yxy color 84.6052, 0.3524, 0.4823.

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

84.6052, 0.3524, 0.4823

Protanopia

83.7195, 0.3766, 0.4073

Deuteranopia

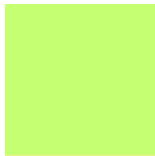
84.0919, 0.3443, 0.3541



Tritanopia

84.1686, 0.2912, 0.3125

Trichromacy



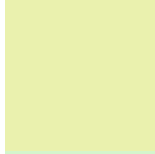
Original Color

84.6052, 0.3524, 0.4823



Protanomaly

83.5466, 0.3683, 0.4342



Deuteranomaly

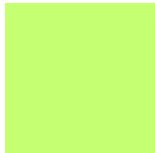
83.4590, 0.3498, 0.3997



Tritanomaly

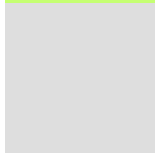
83.6615, 0.3158, 0.3736

Monochromacy



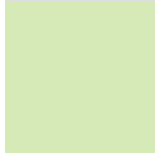
Original Color

84.6052, 0.3524, 0.4823



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.4107, 0.3305, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6052, 0.3524, 0.4823 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 114) }
```

Border

The CSS property to change the border of an element to Yxy 84.6052, 0.3524, 0.4823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

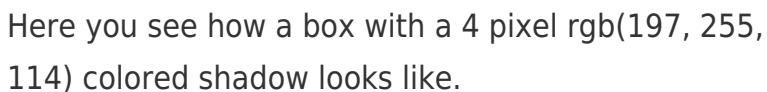
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 114) }
```

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

```
.border{ border-color:rgb(197, 255, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6052, 0.3524, 0.4823 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, 114) }
```

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

```
.background{ background-color: rgb(197,  
255, 114) }
```

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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