

Converting Colors

Yxy(84.2230, 0.3397, 0.4665)

Have a look what the booklet for
Yxy(84.2230, 0.3397, 0.4665)
contains.

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Color

Yxy(84.2623, 0.3402, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF84
RGB	191, 255, 132
RGB Percent	75%, 100%, 52%
CMY	0.2507, 0.0000, 0.4823
CMYK	0.25, 0.00, 0.48, 0.00
HSL	91°, 100%, 76%
HSV	91°, 48%, 100%
XYZ	61.4228, 84.2623, 34.8640
YIQ	221.8420, 1.3390, -51.8210

Conversions

Conversions Part 2

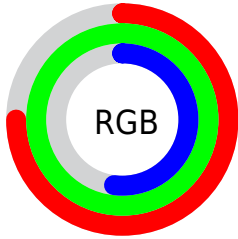
Format	Color
RYB	132, 255, 196
Decimal	12582788
CIELab	93.56, -39.98, 52.08
CIElCh	94, 65.653, 127.512
Yxy	84.2623, 0.3402, 0.4667
Android (android.graphics.Color)	4290772868 (0xFFBFFF84)
YUV	221.8420, -44.2921, -27.0484
Hunter-Lab	91.7945, -41.1999, 41.7375

Details

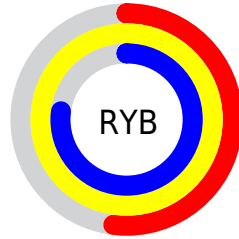
The Yxy color **84.2623, 0.3402, 0.4667** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.4586, 0.2675, 0.1934**, and the grayscale version is **73.2587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2476, 0.3491, 0.3968**, and **46.1036, 0.3422, 0.4993** is the 20% darker color. If you saturate the color by 10%, you get **82.0084, 0.3430, 0.4960**, and if you desaturate by 10%, it is **86.8497, 0.3359, 0.4362**.

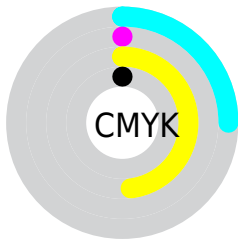
Distribution



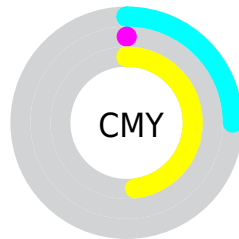
- Red (75%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (77%)



- Cyan (25%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2623, 0.3402, 0.4667 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 84.2623, 0.3402, 0.4667 by changing the saturation by 10% instead.


 84.2623, 0.3402,
0.4667


 84.2623, 0.3402,
0.4667


509.1839, 0.3310,
0.4017


 63.2320, 0.3413,
0.4815

 139.3420, 0.3378,
0.4441

 46.0289, 0.3421,
0.4996


 174.1603, 0.3366,
0.4353

 32.2687, 0.3422,
0.5221


 214.3433, 0.3355,
0.4278

 21.5668, 0.3407,
0.5507

260.2755, 0.3345,
0.4212

 13.5389, 0.3360,
0.5874

312.3412, 0.3335,
0.4154

 7.8007, 0.3267,
0.6400


370.9250, 0.3326,


 3.9677, 0.2990,

0.4103


0.7010


436.4110, 0.3318,
0.4058

 1.6555, 0.2142,
0.7858


 0.3946, 0.0000,
1.0000

 84.2623, 0.3402,
0.4667


 84.2623, 0.3402,
0.4667


 82.0084, 0.3430,
0.4960


 86.8497, 0.3359,
0.4362


 80.0603, 0.3438,
0.5226

 89.7750, 0.3305,
0.4059

 78.4030, 0.3424,
0.5449

 93.0561, 0.3244,
0.3769

 77.0150, 0.3389,
0.5616

 96.7061, 0.3180,
0.3497

■ 75.8681, 0.3336,
0.5725

99.9954, 0.3127,
0.3290

■ 75.6835, 0.3326,
0.5741

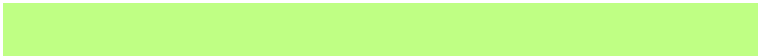
Harmonies

Analogous

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



84.2623, 0.4078, 0.4533



84.2623, 0.3402, 0.4667



84.2623, 0.2690, 0.4275

Triad

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



84.2623, 0.3402, 0.4667



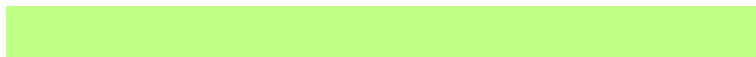
84.2623, 0.1869, 0.2316



84.2623, 0.4183, 0.2988

Complementary

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



84.2623, 0.3402, 0.4667



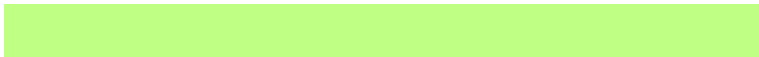
35.4586, 0.2675, 0.1934

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.



84.2623, 0.3458, 0.2532



84.2623, 0.3402, 0.4667



84.2623, 0.2158, 0.2151

Square

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



84.2623, 0.3402, 0.4667



84.2623, 0.1856, 0.2773



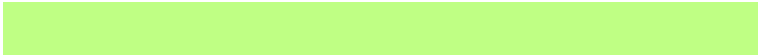
84.2623, 0.2711, 0.2235



84.2623, 0.4590, 0.3528

Rectangle

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



84.2623, 0.3402, 0.4667



84.2623, 0.2293, 0.3778



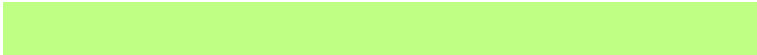
84.2623, 0.2711, 0.2235



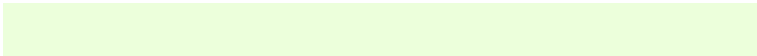
84.2623, 0.3963, 0.2823

Sweetspot

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



84.2660, 0.3402, 0.4667



94.5584, 0.3218, 0.3651



62.2058, 0.4125, 0.3945



20.0740, 0.3231, 0.3711



0.0000, 0.0000, 0.0000



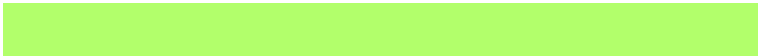
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2660, 0.3402, 0.4667



82.0610, 0.3429, 0.4954



78.1461, 0.3046, 0.4801



20.5959, 0.3189, 0.3531



39.6366, 0.3338, 0.5732



3.9239, 0.3424, 0.5663

Inverse Universe

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



35.4586, 0.2675, 0.1934



27.9461, 0.2553, 0.1656



44.8558, 0.3200, 0.2135



17.8423, 0.3061, 0.3050



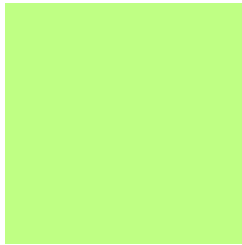
6.4498, 0.2060, 0.0909



0.6931, 0.2181, 0.0975

Previews

White Background



This preview shows how the Yxy color 84.2623, 0.3402, 0.4667 looks on a white background.

Color Contrast Check

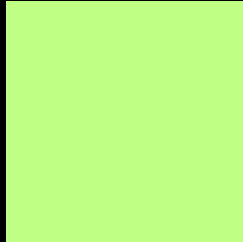
Large Text (above 18pt) WCAG AA × Fail

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 84.2623, 0.3402, 0.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

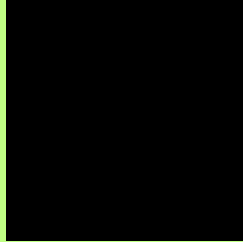
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

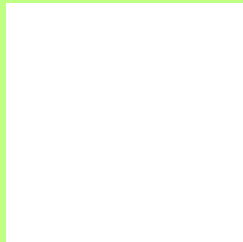
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2623, 0.3402, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 84.2623, 0.3402, 0.4667.

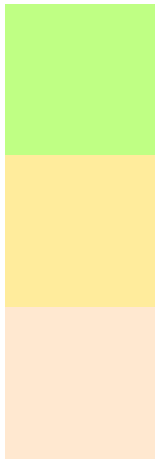


This preview shows how white text looks on a background with the Yxy color 84.2623, 0.3402, 0.4667.

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

84.2623, 0.3402, 0.4667

Protanopia

83.6512, 0.3778, 0.4092

Deuteranopia

83.5273, 0.3445, 0.3532



Tritanopia

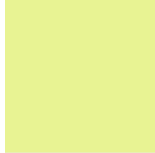
83.9872, 0.2882, 0.3134

Trichromacy



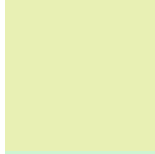
Original Color

84.2623, 0.3402, 0.4667



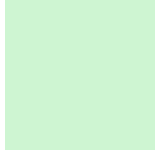
Protanomaly

83.3636, 0.3640, 0.4299



Deuteranomaly

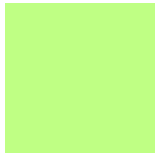
82.7713, 0.3448, 0.3927



Tritanomaly

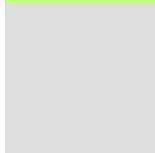
83.0798, 0.3084, 0.3674

Monochromacy



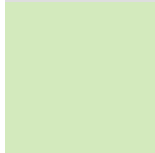
Original Color

84.2623, 0.3402, 0.4667



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.3686, 0.3253, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2623, 0.3402, 0.4667 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(191, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 132)  
}
```

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(191, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 84.2623, 0.3402, 0.4667 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(191, 255, 132) }
```

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

```
.border{ border-color:rgb(191, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2623, 0.3402, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 132) }
```

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

```
.background{ background-color: rgb(191,  
255, 132) }
```

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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