

Converting Colors

Yxy(86.7729, 0.3214, 0.4349)

Have a look what the booklet for
Yxy(86.7729, 0.3214, 0.4349)
contains.

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Color

Yxy(84.8917, 0.3220, 0.4325)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFA4
RGB	188, 255, 164
RGB Percent	74%, 100%, 64%
CMY	0.2627, 0.0000, 0.3568
CMYK	0.26, 0.00, 0.36, 0.00
HSL	104°, 100%, 82%
HSV	104°, 36%, 100%
XYZ	63.2026, 84.8917, 48.1871
YIQ	224.5930, -10.7210, -42.5050

Conversions

Conversions Part 2

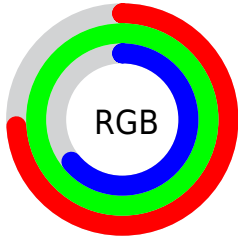
Format	Color
RYB	164, 255, 231
Decimal	12386212
CIELab	93.84, -37.02, 36.96
CIElCh	94, 52.309, 135.042
Yxy	84.8917, 0.3220, 0.4325
Android (android.graphics.Color)	4290576292 (0xFFBCFFA4)
YUV	224.5930, -29.8723, -32.0921
Hunter-Lab	92.1367, -38.7943, 33.4873

Details

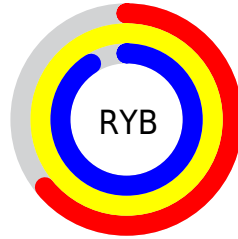
The Yxy color **84.8917, 0.3220, 0.4325** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.7717, 0.2975, 0.2350**, and the grayscale version is **75.2147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2801, 0.3275, 0.3637**, and **46.5224, 0.3224, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **81.8306, 0.3233, 0.4658**, and if you desaturate by 10%, it is **88.4514, 0.3199, 0.4004**.

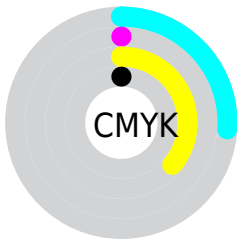
Distribution



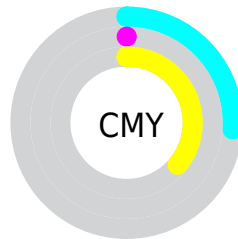
- Red (74%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8917, 0.3220, 0.4325 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 84.8917, 0.3220, 0.4325 by changing the saturation by 10% instead.


 84.8917, 0.3220,
0.4325


 84.8917, 0.3220,
0.4325

511.2696, 0.3195,
0.3835

 63.7519, 0.3221,
0.4439


 140.2219, 0.3215,
0.4153

 46.4498, 0.3220,
0.4579


 175.1810, 0.3212,
0.4087

 32.6009, 0.3214,
0.4758


215.5154, 0.3209,
0.4030

 21.8209, 0.3200,
0.4991

261.6094, 0.3206,
0.3981

 13.7253, 0.3168,
0.5305

313.8474, 0.3203,
0.3937

 7.9299, 0.3097,
0.5746

372.6139, 0.3200,

 4.0501, 0.2998,

0.3899

0.6535

438.2932, 0.3197,
0.3865

■ 1.7016, 0.2450,
0.7550

■ 0.4247, 0.0000,
1.0000

■ 84.8917, 0.3220,
0.4325

■ 84.8917, 0.3220,
0.4325

■ 81.8306, 0.3233,
0.4658

■ 88.4514, 0.3199,
0.4004

■ 79.2397, 0.3236,
0.4988

■ 92.5257, 0.3173,
0.3704

■ 77.0960, 0.3226,
0.5295

■ 97.1366, 0.3144,
0.3432

■ 75.3718, 0.3202,
0.5558

100.0000, 0.3127,
0.3290

■ 74.0365, 0.3166,
0.5757

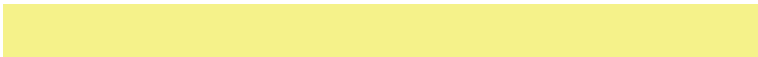
■ 73.0538, 0.3120,
0.5883

■ 72.7211, 0.3101,
0.5920

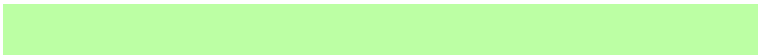
Harmonies

Analogous

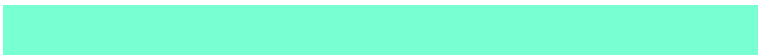
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8917, 0.3787, 0.4347



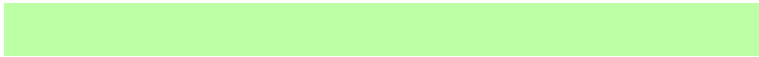
84.8917, 0.3220, 0.4325



84.8917, 0.2657, 0.3922

Triad

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



84.8917, 0.3220, 0.4325



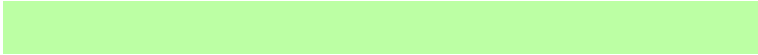
84.8917, 0.2133, 0.2448



84.8917, 0.4078, 0.3165

Complementary

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



84.8917, 0.3220, 0.4325



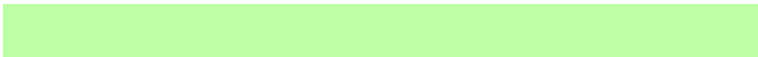
50.7717, 0.2975, 0.2350

Split Complementary

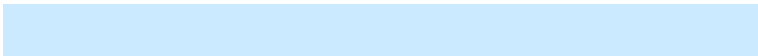
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8917, 0.3552, 0.2757



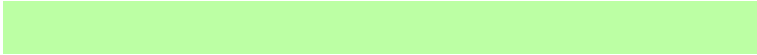
84.8917, 0.3220, 0.4325



84.8917, 0.2436, 0.2354

Square

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



84.8917, 0.3220, 0.4325



84.8917, 0.2066, 0.2774



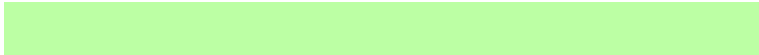
84.8917, 0.2941, 0.2469



84.8917, 0.4318, 0.3626

Rectangle

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



84.8917, 0.3220, 0.4325



84.8917, 0.2359, 0.3521



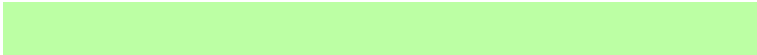
84.8917, 0.2941, 0.2469



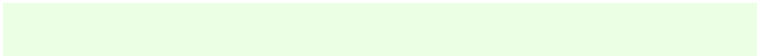
84.8917, 0.3926, 0.3020

Sweetspot

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



84.8935, 0.3220, 0.4325



94.6140, 0.3160, 0.3573



80.9476, 0.3745, 0.3966



20.1191, 0.3164, 0.3611



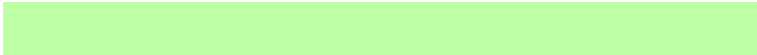
0.0000, 0.0000, 0.0000



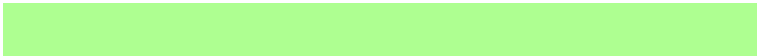
21.4041, 0.3127, 0.3290

Same Dimension

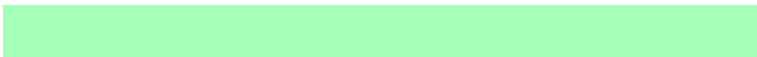
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8935, 0.3220, 0.4325



82.6031, 0.3231, 0.4569



82.9286, 0.2968, 0.4112



20.3996, 0.3156, 0.3533



38.0595, 0.3110, 0.5912



3.7560, 0.3188, 0.5850

Inverse Universe

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



50.7717, 0.2975, 0.2350



43.7621, 0.2933, 0.2153



53.7473, 0.3342, 0.2591



18.0454, 0.3095, 0.3053



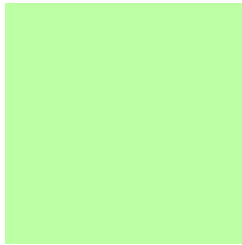
9.4208, 0.2549, 0.1178



0.9704, 0.2627, 0.1221

Previews

White Background



This preview shows how the Yxy color 84.8917, 0.3220, 0.4325 looks on a white background.

Color Contrast Check

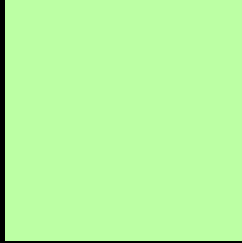
Large Text (above 18pt) WCAG AA × Fail

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 84.8917, 0.3220, 0.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

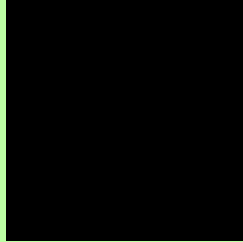
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

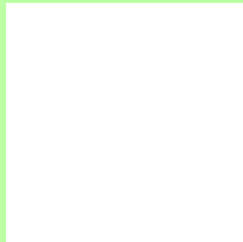
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8917, 0.3220, 0.4325

Background



This preview shows how black text looks on a background with the Yxy color 84.8917, 0.3220, 0.4325.

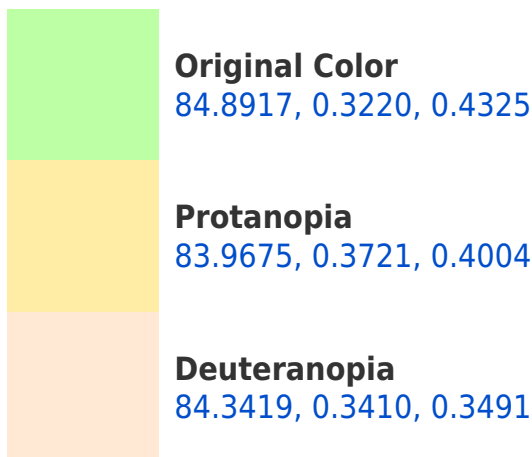


This preview shows how white text looks on a background with the Yxy color 84.8917, 0.3220, 0.4325.

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





Tritanopia

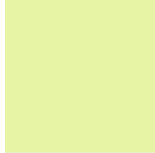
84.4267, 0.2877, 0.3144

Trichromacy



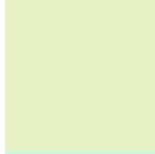
Original Color

84.8917, 0.3220, 0.4325



Protanomaly

83.8067, 0.3526, 0.4116



Deuteranomaly

83.8396, 0.3345, 0.3777



Tritanomaly

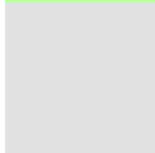
84.1646, 0.3008, 0.3550

Monochromacy



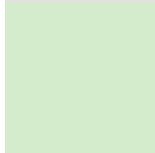
Original Color

84.8917, 0.3220, 0.4325



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2998, 0.3170, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8917, 0.3220, 0.4325 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(188, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 164)  
}
```

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(188, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 84.8917, 0.3220, 0.4325 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(188, 255, 164) }
```

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

```
.border{ border-color:rgb(188, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8917, 0.3220, 0.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 164) }
```

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

```
.background{ background-color: rgb(188,  
255, 164) }
```

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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