

Converting Colors

Yxy(85.4612, 0.3212, 0.4262)

Have a look what the booklet for
Yxy(85.4612, 0.3212, 0.4262)
contains.

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Color

Yxy(85.4609, 0.3212, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFA9
RGB	191, 255, 169
RGB Percent	75%, 100%, 66%
CMY	0.2510, 0.0000, 0.3371
CMYK	0.25, 0.00, 0.34, 0.00
HSL	105°, 100%, 83%
HSV	105°, 34%, 100%
XYZ	64.4065, 85.4609, 50.6509
YIQ	226.0600, -10.5380, -40.3140

Conversions

Conversions Part 2

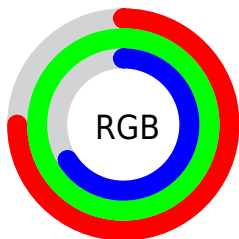
Format	Color
RYB	169, 255, 233
Decimal	12582825
CIELab	94.08, -35.32, 34.83
CIELCh	94, 49.602, 135.399
Yxy	85.4609, 0.3212, 0.4262
Android (android.graphics.Color)	4290772905 (0xFFBFFFA9)
YUV	226.0600, -28.1306, -30.7476
Hunter-Lab	92.4451, -37.4179, 32.2264

Details

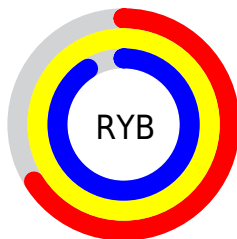
The Yxy color **85.4609, 0.3212, 0.4262** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.9386, 0.2992, 0.2405**, and the grayscale version is **76.3105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0960, 0.3265, 0.3585**, and **46.8834, 0.3215, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **82.2897, 0.3226, 0.4595**, and if you desaturate by 10%, it is **89.1366, 0.3191, 0.3944**.

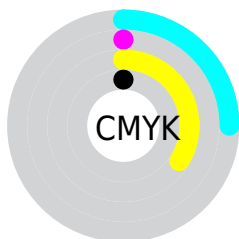
Distribution



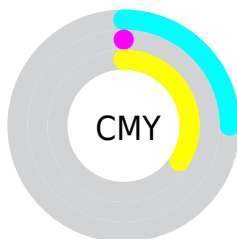
- Red (75%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4609, 0.3212, 0.4262 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 85.4609, 0.3212, 0.4262 by changing the saturation by 10% instead.

 85.4609, 0.3212,
0.4262

 85.4609, 0.3212,
0.4262


513.1519, 0.3188,
0.3803

 64.2223, 0.3213,
0.4368


 141.0169, 0.3207,
0.4101

 46.8307, 0.3213,
0.4500


176.1032, 0.3204,
0.4039

 32.9019, 0.3209,
0.4667


216.5740, 0.3201,
0.3986

 22.0513, 0.3197,
0.4885

262.8139, 0.3198,
0.3940

 13.8946, 0.3171,
0.5180

315.2073, 0.3196,
0.3899

 8.0474, 0.3111,
0.5595

374.1385, 0.3193,

 4.1253, 0.3006,

0.3863

0.6281

439.9919, 0.3191,
0.3831

1.7439, 0.2621,
0.7379

0.4518, 0.0000,
1.0000

85.4609, 0.3212,
0.4262

85.4609, 0.3212,
0.4262

82.2897, 0.3226,
0.4595

89.1366, 0.3191,
0.3944

79.6020, 0.3230,
0.4928

93.3405, 0.3166,
0.3649

77.3721, 0.3222,
0.5242

98.0921, 0.3138,
0.3382

75.5727, 0.3200,
0.5516

100.0000, 0.3127,
0.3290

■ 74.1731, 0.3167,
0.5729

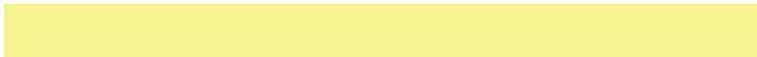
■ 73.1377, 0.3123,
0.5869

■ 72.6480, 0.3095,
0.5925

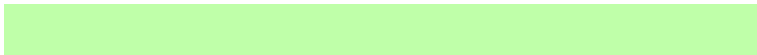
Harmonies

Analogous

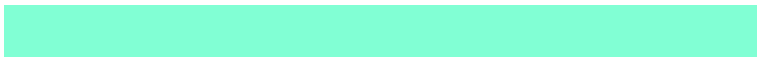
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4609, 0.3750, 0.4293



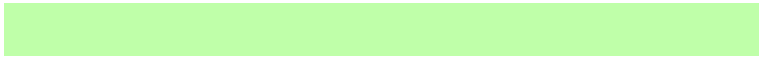
85.4609, 0.3212, 0.4262



85.4609, 0.2678, 0.3879

Triad

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



85.4609, 0.3212, 0.4262



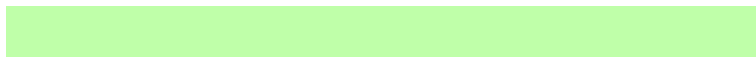
85.4609, 0.2183, 0.2488



85.4609, 0.4031, 0.3179

Complementary

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



85.4609, 0.3212, 0.4262



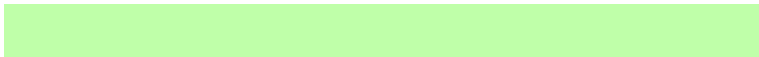
52.9386, 0.2992, 0.2405

Split Complementary

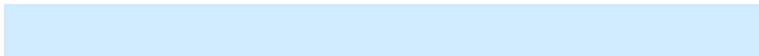
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4609, 0.3537, 0.2787



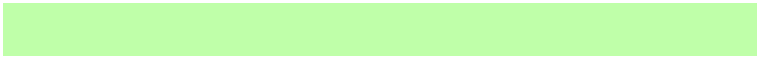
85.4609, 0.3212, 0.4262



85.4609, 0.2475, 0.2399

Square

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



85.4609, 0.3212, 0.4262



85.4609, 0.2116, 0.2799



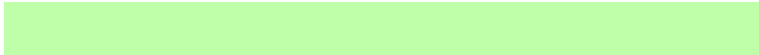
85.4609, 0.2959, 0.2510



85.4609, 0.4255, 0.3620

Rectangle

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



85.4609, 0.3212, 0.4262



85.4609, 0.2394, 0.3503



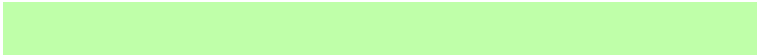
85.4609, 0.2959, 0.2510



85.4609, 0.3889, 0.3040

Sweetspot

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



85.4602, 0.3212, 0.4262



95.0401, 0.3156, 0.3546



81.8811, 0.3708, 0.3928



20.2029, 0.3160, 0.3585



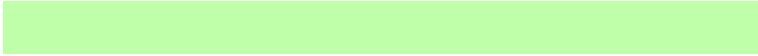
0.0000, 0.0000, 0.0000



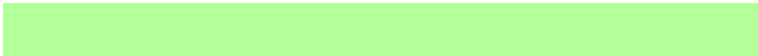
21.4041, 0.3127, 0.3290

Same Dimension

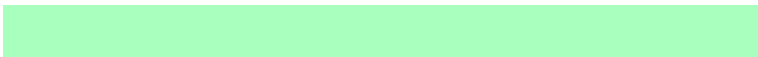
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4602, 0.3212, 0.4262



83.4094, 0.3222, 0.4470



83.6364, 0.2976, 0.4059



20.3923, 0.3154, 0.3533



38.0198, 0.3104, 0.5917



3.7513, 0.3181, 0.5856

Inverse Universe

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



52.9386, 0.2992, 0.2405



46.6525, 0.2958, 0.2235



55.6420, 0.3327, 0.2629



18.0532, 0.3097, 0.3053



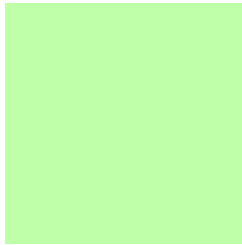
9.5596, 0.2569, 0.1189



0.9829, 0.2645, 0.1231

Previews

White Background



This preview shows how the Yxy color 85.4609, 0.3212, 0.4262 looks on a white background.

Color Contrast Check

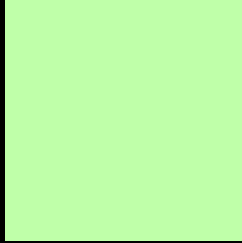
Large Text (above 18pt) WCAG AA × Fail

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 85.4609, 0.3212, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

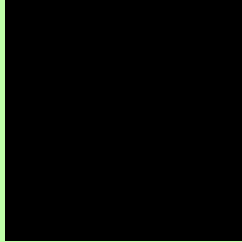
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

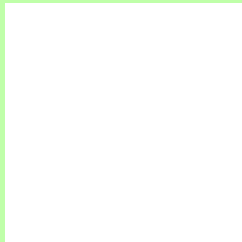
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4609, 0.3212, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 85.4609, 0.3212, 0.4262.

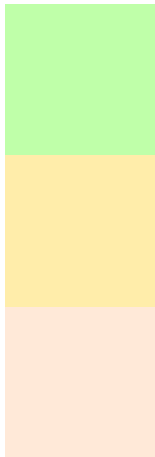


This preview shows how white text looks on a background with the Yxy color 85.4609, 0.3212, 0.4262.

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

85.4609, 0.3212, 0.4262

Protanopia

84.7307, 0.3686, 0.3964

Deuteranopia

84.4957, 0.3390, 0.3460



Tritanopia

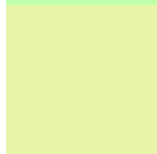
84.8823, 0.2895, 0.3145

Trichromacy



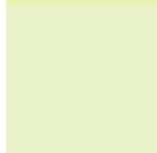
Original Color

85.4609, 0.3212, 0.4262



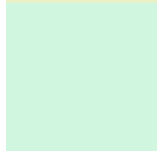
Protanomaly

84.7595, 0.3501, 0.4071



Deuteranomaly

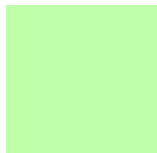
84.1899, 0.3327, 0.3732



Tritanomaly

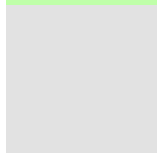
84.7032, 0.3015, 0.3527

Monochromacy



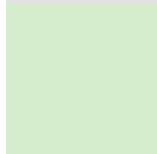
Original Color

85.4609, 0.3212, 0.4262



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1223, 0.3164, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4609, 0.3212, 0.4262 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 85.4609, 0.3212, 0.4262 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, 169) }
```

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

```
.border{ border-color:rgb(191, 255, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4609, 0.3212, 0.4262 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, 169) }
```

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

```
.background{ background-color: rgb(191,  
255, 169) }
```

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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