

Converting Colors

Yxy(84.3785, 0.3086, 0.4165)

Have a look what the booklet for
Yxy(84.3785, 0.3086, 0.4165)
contains.

Yxy(84.3584, 0.3086, 0.4166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.3584, 0.3086, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	B3FFB3
RGB	179, 255, 179
RGB Percent	70%, 100%, 70%
CMY	0.2980, 0.0000, 0.2980
CMYK	0.30, 0.00, 0.30, 0.00
HSL	120°, 100%, 85%
HSV	120°, 30%, 100%
XYZ	62.4892, 84.3584, 55.6450
YIQ	223.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

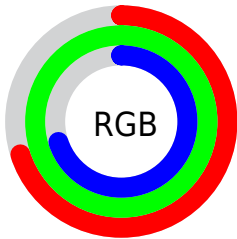
Format	Color
RYB	179, 255, 255
Decimal	11796403
CIELab	93.61, -37.67, 29.07
CIElCh	94, 47.585, 142.338
Yxy	84.3584, 0.3086, 0.4166
Android (android.graphics.Color)	4289986483 (0xFFB3FFB3)
YUV	223.6120, -21.9937, -39.1247
Hunter-Lab	91.8468, -39.2871, 28.3722

Details

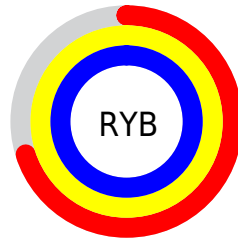
The Yxy color **84.3584, 0.3086, 0.4166** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.7221, 0.3162, 0.2546**, and the grayscale version is **74.4231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3510, 0.3124, 0.3490**, and **46.1796, 0.3062, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **80.6589, 0.3069, 0.4519**, and if you desaturate by 10%, it is **88.8134, 0.3101, 0.3838**.

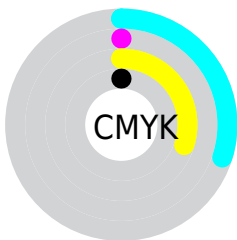
Distribution



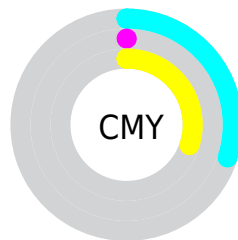
- Red (70%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3584, 0.3086, 0.4166 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 84.3584, 0.3086, 0.4166 by changing the saturation by 10% instead.


 84.3584, 0.3086,
0.4166

 84.3584, 0.3086,
0.4166


509.5026, 0.3116,
0.3750

 63.3114, 0.3076,
0.4263


 139.4764, 0.3099,
0.4020

 46.0932, 0.3063,
0.4384


174.3162, 0.3103,
0.3964

 32.3193, 0.3043,
0.4538


214.5224, 0.3107,
0.3915

 21.6055, 0.3013,
0.4741

260.4793, 0.3109,
0.3874

 13.5673, 0.2965,
0.5020

312.5714, 0.3112,
0.3837

 7.8204, 0.2881,
0.5421

371.1831, 0.3114,

 3.9802, 0.2720,

0.3805

0.6046

436.6987, 0.3115,
0.3776

■ 1.6625, 0.2355,
0.7645

■ 0.3992, 0.0000,
1.0000

■ 84.3584, 0.3086,
0.4166

■ 84.3584, 0.3086,
0.4166

■ 80.6589, 0.3069,
0.4519

■ 88.8134, 0.3101,
0.3838

■ 77.6689, 0.3052,
0.4882

■ 94.0578, 0.3115,
0.3544

■ 75.3443, 0.3036,
0.5232

100.0000, 0.3127,
0.3290

■ 73.6343, 0.3022,
0.5540

■ 72.4808, 0.3010,
0.5778

■ 71.8145, 0.3003,
0.5930

■ 71.5245, 0.3000,
0.5999

■ 71.5201, 0.3000,
0.6000

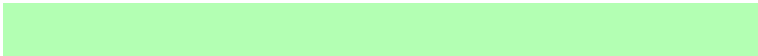
Harmonies

Analogous

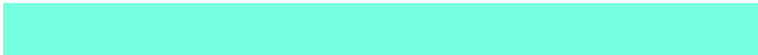
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3584, 0.3618, 0.4279



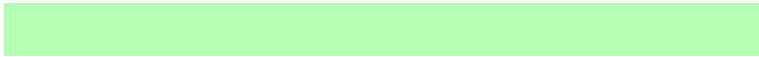
84.3584, 0.3086, 0.4166



84.3584, 0.2591, 0.3737

Triad

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



84.3584, 0.3086, 0.4166



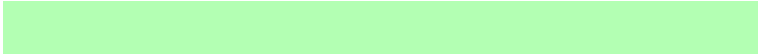
84.3584, 0.2261, 0.2477



84.3584, 0.4075, 0.3282

Complementary

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



84.3584, 0.3086, 0.4166



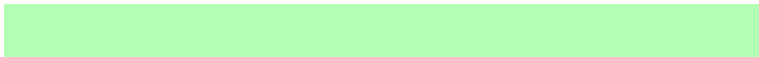
60.7221, 0.3162, 0.2546

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.



84.3584, 0.3647, 0.2885



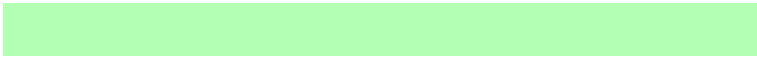
84.3584, 0.3086, 0.4166



84.3584, 0.2592, 0.2436

Square

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



84.3584, 0.3086, 0.4166



84.3584, 0.2144, 0.2729



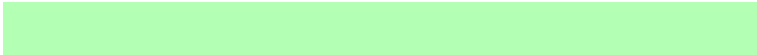
84.3584, 0.3092, 0.2585



84.3584, 0.4218, 0.3709

Rectangle

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



84.3584, 0.3086, 0.4166



84.3584, 0.2345, 0.3366



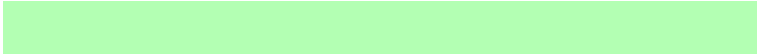
84.3584, 0.3092, 0.2585



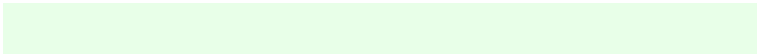
84.3584, 0.3958, 0.3143

Sweetspot

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



84.3598, 0.3086, 0.4166



94.5134, 0.3116, 0.3522



96.0349, 0.3579, 0.4037



20.0536, 0.3114, 0.3562



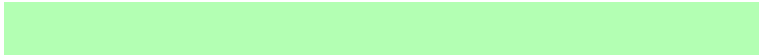
0.0000, 0.0000, 0.0000



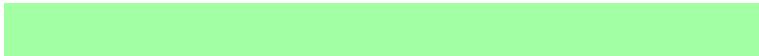
21.4041, 0.3127, 0.3290

Same Dimension

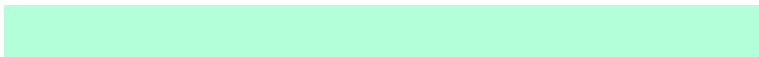
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3598, 0.3086, 0.4166



81.9796, 0.3076, 0.4383



86.1144, 0.2886, 0.3716



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



60.7221, 0.3162, 0.2546



54.7446, 0.3169, 0.2396



58.5127, 0.3466, 0.2902



18.3004, 0.3138, 0.3056



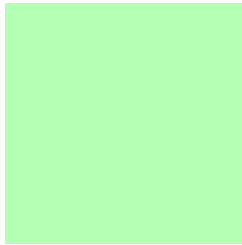
14.8802, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 84.3584, 0.3086, 0.4166 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 84.3584, 0.3086, 0.4166 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 84.3584, 0.3086, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 84.3584, 0.3086, 0.4166.

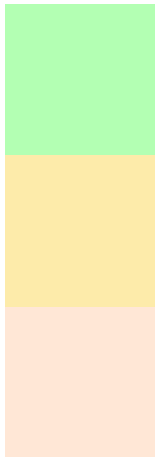


This preview shows how white text looks on a background with the Yxy color 84.3584, 0.3086, 0.4166.

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

84.3584, 0.3086, 0.4166

Protanopia

83.2016, 0.3677, 0.3949

Deuteranopia

83.2669, 0.3406, 0.3461



Tritanopia

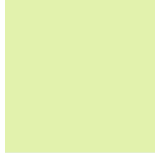
83.6859, 0.2847, 0.3143

Trichromacy



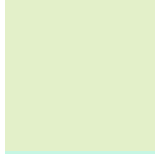
Original Color

84.3584, 0.3086, 0.4166



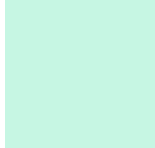
Protanomaly

82.6901, 0.3445, 0.4031



Deuteranomaly

82.8681, 0.3281, 0.3706



Tritanomaly

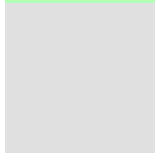
83.4634, 0.2938, 0.3497

Monochromacy



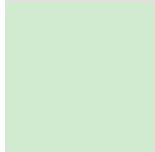
Original Color

84.3584, 0.3086, 0.4166



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3806, 0.3113, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3584, 0.3086, 0.4166 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(179, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 179)  
}
```

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(179, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 84.3584, 0.3086, 0.4166 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(179, 255, 179) }
```

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

```
.border{ border-color:rgb(179, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3584, 0.3086, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 179) }
```

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

```
.background{ background-color: rgb(179,  
255, 179) }
```

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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