

Converting Colors

Yxy(86.4912, 0.3107, 0.4018)

Have a look what the booklet for
Yxy(86.4912, 0.3107, 0.4018)
contains.

Yxy(86.4442, 0.3105, 0.4018)	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(86.4442, 0.3105, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	C0FFBE
RGB	192, 255, 190
RGB Percent	75%, 100%, 75%
CMY	0.2469, 0.0000, 0.2548
CMYK	0.25, 0.00, 0.25, 0.00
HSL	118°, 100%, 87%
HSV	118°, 25%, 100%
XYZ	66.8017, 86.4442, 61.8965
YIQ	228.7530, -16.6830, -33.5710

Conversions

Conversions Part 2

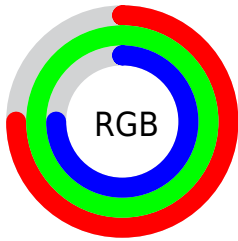
Format	Color
RYB	190, 255, 253
Decimal	12648382
CIELab	94.50, -31.75, 24.84
CIElCh	95, 40.316, 141.961
Yxy	86.4442, 0.3105, 0.4018
Android (android.graphics.Color)	4290838462 (0xFFC0FFBE)
YUV	228.7530, -19.1052, -32.2324
Hunter-Lab	92.9754, -34.4568, 25.6117

Details

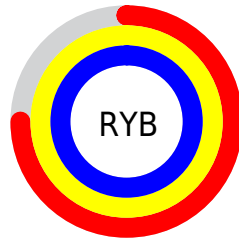
The Yxy color **86.4442, 0.3105, 0.4018** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.9412, 0.3142, 0.2651**, and the grayscale version is **78.3245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3751, 0.3136, 0.3367**, and **47.4841, 0.3092, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **82.4680, 0.3093, 0.4359**, and if you desaturate by 10%, it is **91.1645, 0.3115, 0.3706**.

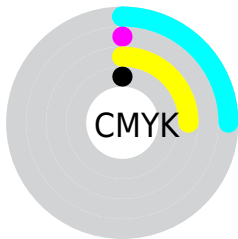
Distribution



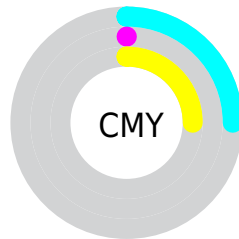
- Red (75%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (99%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4442, 0.3105, 0.4018 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 86.4442, 0.3105, 0.4018 by changing the saturation by 10% instead.

 86.4442, 0.3105,
0.4018

 86.4442, 0.3105,
0.4018


516.3948, 0.3123,
0.3676

 65.0354, 0.3099,
0.4097

 142.3892, 0.3113,
0.3899

 47.4897, 0.3090,
0.4195


177.6941, 0.3115,
0.3853

 33.4230, 0.3078,
0.4319


218.3999, 0.3117,
0.3813

 22.4507, 0.3060,
0.4482

264.8909, 0.3119,
0.3778

 14.1884, 0.3029,
0.4705

317.5514, 0.3120,
0.3748

 8.2518, 0.2977,
0.5026


376.7660, 0.3121,


 4.2565, 0.2873,


0.3721


0.5520


442.9190, 0.3122,
0.3698


 1.8181, 0.2910,
0.7046


 0.4984, 0.0000,
1.0000


 86.4442, 0.3105,
0.4018


 86.4442, 0.3105,
0.4018

 82.4680, 0.3093,
0.4359


 91.1645, 0.3115,
0.3706

 79.1876, 0.3079,
0.4717

 96.6524, 0.3123,
0.3428

 76.5663, 0.3063,
0.5073

 99.9975, 0.3127,
0.3290

 74.5596, 0.3047,
0.5402

■ 73.1173, 0.3031,
0.5674

■ 72.1815, 0.3017,
0.5867

■ 71.6819, 0.3007,
0.5971

■ 71.5683, 0.3004,
0.5997

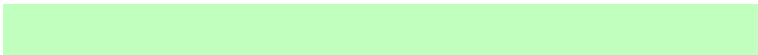
Harmonies

Analogous

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



86.4442, 0.3554, 0.4118



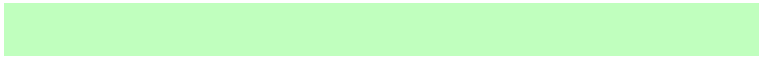
86.4442, 0.3105, 0.4018



86.4442, 0.2681, 0.3668

Triad

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



86.4442, 0.3105, 0.4018



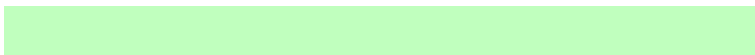
86.4442, 0.2386, 0.2602



86.4442, 0.3919, 0.3287

Complementary

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



86.4442, 0.3105, 0.4018



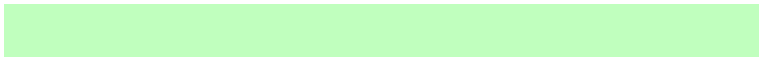
64.9412, 0.3142, 0.2651

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.



86.4442, 0.3561, 0.2943



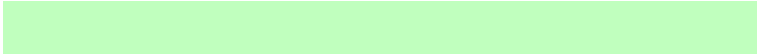
86.4442, 0.3105, 0.4018



86.4442, 0.2671, 0.2559

Square

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



86.4442, 0.3105, 0.4018



86.4442, 0.2287, 0.2826



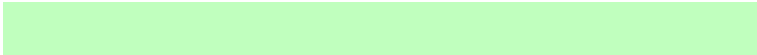
86.4442, 0.3096, 0.2684



86.4442, 0.4045, 0.3653

Rectangle

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



86.4442, 0.3105, 0.4018



86.4442, 0.2468, 0.3365



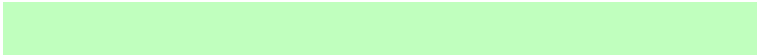
86.4442, 0.3096, 0.2684



86.4442, 0.3820, 0.3166

Sweetspot

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



86.4479, 0.3105, 0.4018



95.1963, 0.3121, 0.3494



95.1220, 0.3518, 0.3909



20.1949, 0.3120, 0.3535



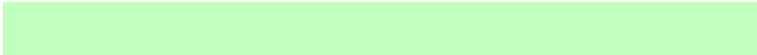
0.0000, 0.0000, 0.0000



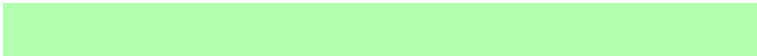
21.4041, 0.3127, 0.3290

Same Dimension

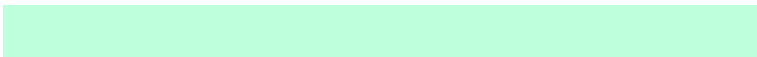
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4479, 0.3105, 0.4018



84.1638, 0.3099, 0.4203



87.6545, 0.2930, 0.3671



20.1949, 0.3120, 0.3535



37.4088, 0.3006, 0.5995



3.6514, 0.3021, 0.5983

Inverse Universe

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



64.9412, 0.3142, 0.2651



59.0512, 0.3144, 0.2512



63.5185, 0.3387, 0.2939



18.2701, 0.3133, 0.3056



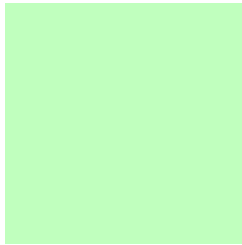
14.1301, 0.3132, 0.1499



1.3844, 0.3141, 0.1504

Previews

White Background



This preview shows how the Yxy color 86.4442, 0.3105, 0.4018 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 86.4442, 0.3105, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

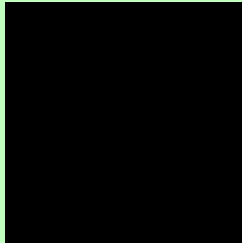
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4442, 0.3105, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 86.4442, 0.3105, 0.4018.

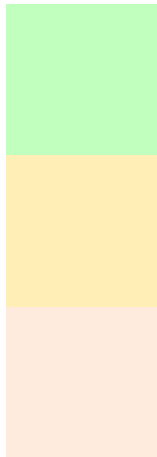


This preview shows how white text looks on a background with the Yxy color 86.4442, 0.3105, 0.4018.

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

86.4442, 0.3105, 0.4018

Protanopia

85.7865, 0.3605, 0.3853

Deuteranopia

85.9506, 0.3347, 0.3420



Tritanopia

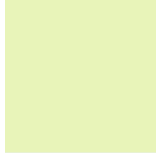
86.3813, 0.2907, 0.3167

Trichromacy



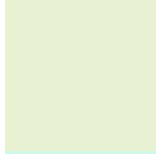
Original Color

86.4442, 0.3105, 0.4018



Protanomaly

85.3600, 0.3409, 0.3912



Deuteranomaly

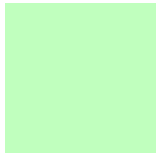
85.3132, 0.3257, 0.3625



Tritanomaly

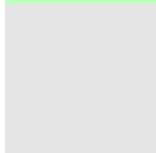
85.8464, 0.2982, 0.3460

Monochromacy



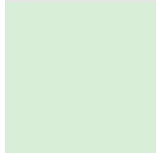
Original Color

86.4442, 0.3105, 0.4018



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6543, 0.3122, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4442, 0.3105, 0.4018 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(192, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 190)  
}
```

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(192, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 86.4442, 0.3105, 0.4018 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(192, 255, 190) }
```

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

```
.border{ border-color:rgb(192, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4442, 0.3105, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 190) }
```

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

```
.background{ background-color: rgb(192,  
255, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor