

Converting Colors

$Yxy(98.1537, 0.3095, 0.4168)$

Have a look what the booklet for
Yxy(98.1537, 0.3095, 0.4168)
contains.

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Color

Yxy(86.6190, 0.3106, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	C1FFBF
RGB	193, 255, 191
RGB Percent	76%, 100%, 75%
CMY	0.2430, 0.0000, 0.2511
CMYK	0.24, 0.00, 0.25, 0.00
HSL	118°, 100%, 87%
HSV	118°, 25%, 100%
XYZ	67.1589, 86.6190, 62.4453
YIQ	229.1660, -16.4080, -33.0480

Conversions

Conversions Part 2

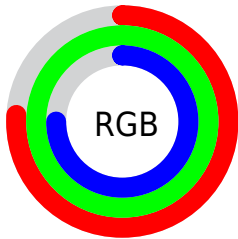
Format	Color
RYB	191, 255, 253
Decimal	12713919
CIELab	94.58, -31.28, 24.48
CIElCh	95, 39.724, 141.952
Yxy	86.6190, 0.3106, 0.4006
Android (android.graphics.Color)	4290903999 (0xFFC1FFBF)
YUV	229.1660, -18.8158, -31.7176
Hunter-Lab	93.0693, -34.0656, 25.3677

Details

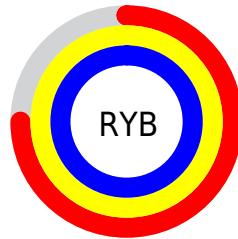
The Yxy color **86.6190, 0.3106, 0.4006** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.3327, 0.3141, 0.2660**, and the grayscale version is **78.6373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6213, 0.3136, 0.3357**, and **47.5976, 0.3093, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **82.6179, 0.3094, 0.4346**, and if you desaturate by 10%, it is **91.3622, 0.3116, 0.3695**.

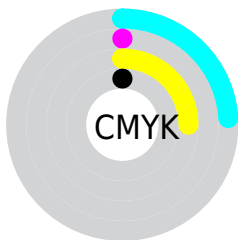
Distribution



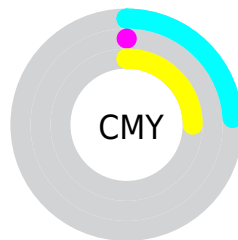
- Red (76%)
- Green (100%)
- Blue (75%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6190, 0.3106, 0.4006 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 86.6190, 0.3106, 0.4006 by changing the saturation by 10% instead.


 86.6190, 0.3106,
0.4006

 86.6190, 0.3106,
0.4006


516.9701, 0.3123,
0.3670

 65.1800, 0.3100,
0.4083


 142.6330, 0.3114,
0.3889

 47.6070, 0.3092,
0.4179


177.9767, 0.3116,
0.3843

 33.5158, 0.3080,
0.4302


218.7241, 0.3118,
0.3804

 22.5219, 0.3062,
0.4462

265.2596, 0.3120,
0.3771

 14.2409, 0.3033,
0.4680

317.9675, 0.3121,
0.3741

 8.2884, 0.2983,
0.4994


377.2323, 0.3122,


 4.2800, 0.2883,


0.3715


0.5478


443.4384, 0.3123,
0.3691

 1.8314, 0.2909,
0.6919


 0.5066, 0.0000,
1.0000


 86.6190, 0.3106,
0.4006


 86.6190, 0.3106,
0.4006

 82.6179, 0.3094,
0.4346


 91.3622, 0.3116,
0.3695

 79.3135, 0.3080,
0.4704

 96.8734, 0.3124,
0.3418

 76.6683, 0.3065,
0.5060

100.0000, 0.3127,
0.3290

 74.6383, 0.3048,
0.5390

■ 73.1738, 0.3032,
0.5665

■ 72.2174, 0.3018,
0.5861

■ 71.6998, 0.3007,
0.5969

■ 71.5733, 0.3005,
0.5996

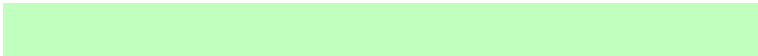
Harmonies

Analogous

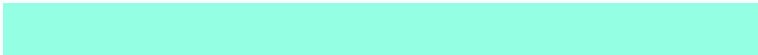
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6190, 0.3548, 0.4105



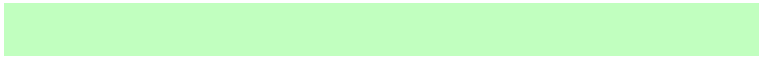
86.6190, 0.3106, 0.4006



86.6190, 0.2688, 0.3663

Triad

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



86.6190, 0.3106, 0.4006



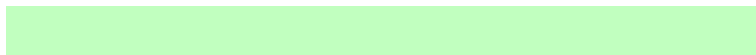
86.6190, 0.2396, 0.2612



86.6190, 0.3906, 0.3287

Complementary

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



86.6190, 0.3106, 0.4006



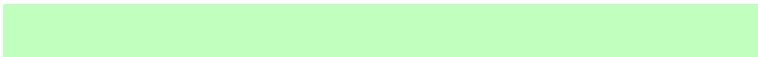
65.3327, 0.3141, 0.2660

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.



86.6190, 0.3554, 0.2948



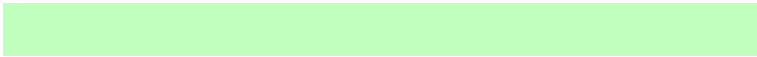
86.6190, 0.3106, 0.4006



86.6190, 0.2678, 0.2569

Square

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



86.6190, 0.3106, 0.4006



86.6190, 0.2299, 0.2834



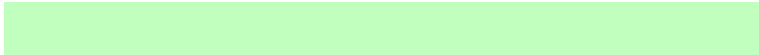
86.6190, 0.3096, 0.2692



86.6190, 0.4031, 0.3649

Rectangle

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



86.6190, 0.3106, 0.4006



86.6190, 0.2478, 0.3364



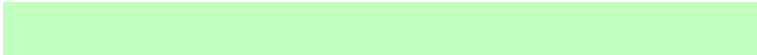
86.6190, 0.3096, 0.2692



86.6190, 0.3810, 0.3168

Sweetspot

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



86.6219, 0.3106, 0.4006



95.2017, 0.3122, 0.3494



95.1854, 0.3513, 0.3901



20.1962, 0.3121, 0.3535



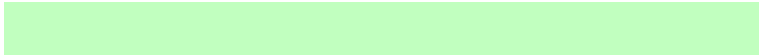
0.0000, 0.0000, 0.0000



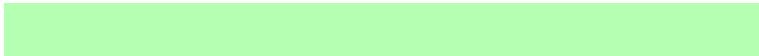
21.4041, 0.3127, 0.3290

Same Dimension

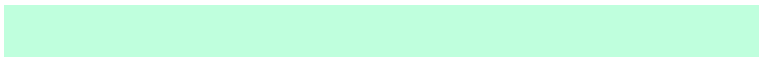
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6219, 0.3106, 0.4006



84.5757, 0.3100, 0.4169



87.8034, 0.2932, 0.3664



20.1962, 0.3121, 0.3535



37.4107, 0.3007, 0.5995



3.6520, 0.3023, 0.5982

Inverse Universe

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



65.3327, 0.3141, 0.2660



60.0530, 0.3143, 0.2537



63.9466, 0.3382, 0.2944



18.2686, 0.3133, 0.3056



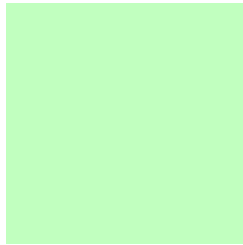
14.0935, 0.3128, 0.1497



1.3813, 0.3138, 0.1502

Previews

White Background



This preview shows how the Yxy color 86.6190, 0.3106, 0.4006 looks on a white background.

Color Contrast Check

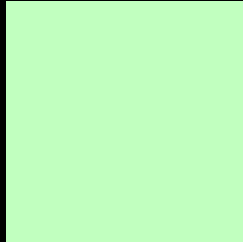
Large Text (above 18pt) WCAG AA × Fail

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 86.6190, 0.3106, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

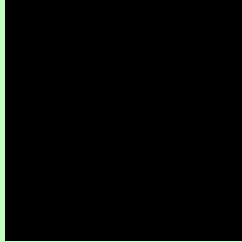
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

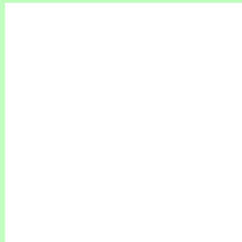
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6190, 0.3106, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 86.6190, 0.3106, 0.4006.

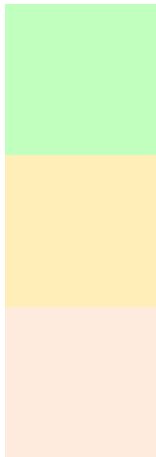


This preview shows how white text looks on a background with the Yxy color 86.6190, 0.3106, 0.4006.

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

86.6190, 0.3106, 0.4006

Protanopia

85.8280, 0.3598, 0.3843

Deuteranopia

85.9506, 0.3347, 0.3420



Tritanopia

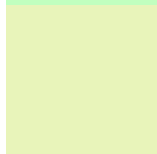
86.3813, 0.2907, 0.3167

Trichromacy



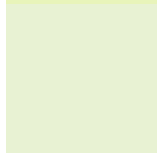
Original Color

86.6190, 0.3106, 0.4006



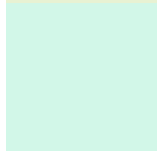
Protanomaly

85.4023, 0.3403, 0.3901



Deuteranomaly

85.3632, 0.3251, 0.3614



Tritanomaly

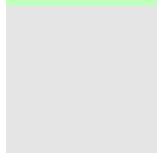
86.0494, 0.2982, 0.3449

Monochromacy



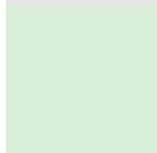
Original Color

86.6190, 0.3106, 0.4006



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 86.6190, 0.3106, 0.4006 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(193, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 191)  
}
```

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(193, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 86.6190, 0.3106, 0.4006 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(193, 255, 191) }
```

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

```
.border{ border-color:rgb(193, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 255, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 255, 191); box-shadow:4px 4px 4px 4px rgb(193, 255, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6190, 0.3106, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 191) }
```

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

```
.background{ background-color: rgb(193,  
255, 191) }
```

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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