

Converting Colors

Yxy(86.3480, 0.3180, 0.4160)

Have a look what the booklet for
Yxy(86.3480, 0.3180, 0.4160)
contains.

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Color

Yxy(86.0718, 0.3176, 0.4156)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | C1FFB2 |
| RGB | 193, 255, 178 |
| RGB Percent | 76%, 100%, 70% |
| CMY | 0.2434, 0.0000, 0.3020 |
| CMYK | 0.24, 0.00, 0.30, 0.00 |
| HSL | 108°, 100%, 85% |
| HSV | 108°, 30%, 100% |
| XYZ | 65.7758, 86.0718, 55.2549 |
| YIQ | 227.6840, -12.2350, -37.0910 |

Conversions

Conversions Part 2

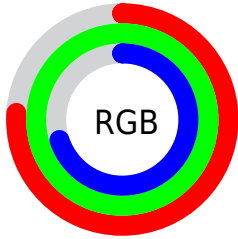
| Format | Color |
|-------------------------------------|--|
| RYB | 178, 255, 240 |
| Decimal | 12713906 |
| CIELab | 94.34, -33.36, 30.72 |
| CIElCh | 94, 45.346, 137.355 |
| Yxy | 86.0718, 0.3176, 0.4156 |
| Android (android.graphics.Color) | 4290903986 (0xFFC1FFB2) |
| YUV | 227.6840, -24.4942, -30.4179 |
| Hunter-Lab | 92.7749, -35.8027, 29.6304 |

Details

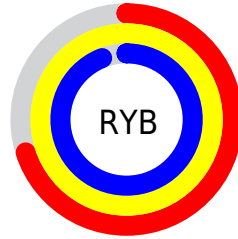
The Yxy color **86.0718, 0.3176, 0.4156** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.5849, 0.3046, 0.2509**, and the grayscale version is **77.5139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9697, 0.3224, 0.3495**, and **47.2721, 0.3172, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **82.6186, 0.3184, 0.4491**, and if you desaturate by 10%, it is **90.0743, 0.3163, 0.3841**.

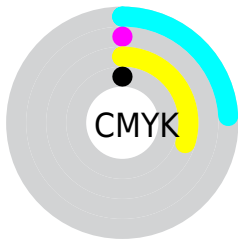
Distribution



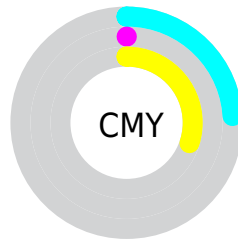
- Red (76%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (94%)



- Cyan (24%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0718, 0.3176, 0.4156 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 86.0718, 0.3176, 0.4156 by changing the saturation by 10% instead.


 86.0718, 0.3176,
0.4156

 86.0718, 0.3176,
0.4156

515.1679, 0.3165,
0.3748

 64.7273, 0.3175,
0.4250


 141.8697, 0.3175,
0.4013

 47.2400, 0.3173,
0.4367


177.0919, 0.3174,
0.3958

 33.2254, 0.3167,
0.4515


217.7088, 0.3172,
0.3911

 22.2992, 0.3156,
0.4710

264.1049, 0.3171,
0.3870

 14.0769, 0.3132,
0.4973

316.6644, 0.3170,
0.3834

 8.1742, 0.3081,
0.5348

375.7718, 0.3168,

 4.2066, 0.2971,

0.3802

0.5922

441.8115, 0.3167,
0.3774

■ 1.7898, 0.2797,
0.7203

■ 0.4808, 0.0000,
1.0000

■ 86.0718, 0.3176,
0.4156

■ 86.0718, 0.3176,
0.4156

■ 82.6186, 0.3184,
0.4491

■ 90.0743, 0.3163,
0.3841

■ 79.7130, 0.3184,
0.4834

■ 94.6746, 0.3146,
0.3553

■ 77.3189, 0.3175,
0.5164

■ 99.8874, 0.3128,
0.3295

■ 75.4056, 0.3157,
0.5461

■ 100.0000, 0.3127,
0.3290

■ 73.9389, 0.3128,
0.5700

■ 72.8799, 0.3093,
0.5864

■ 72.1865, 0.3057,
0.5955

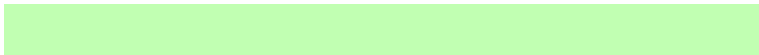
Harmonies

Analogous

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



86.0718, 0.3672, 0.4213



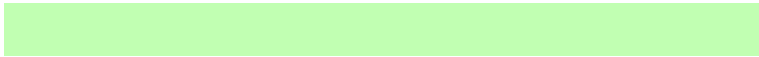
86.0718, 0.3176, 0.4156



86.0718, 0.2690, 0.3793

Triad

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



86.0718, 0.3176, 0.4156



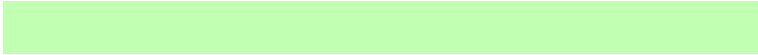
86.0718, 0.2270, 0.2544



86.0718, 0.3973, 0.3219

Complementary

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



86.0718, 0.3176, 0.4156



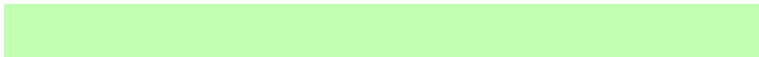
57.5849, 0.3046, 0.2509

Split Complementary

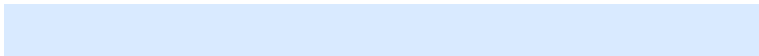
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0718, 0.3537, 0.2849



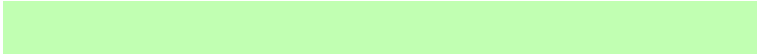
86.0718, 0.3176, 0.4156



86.0718, 0.2554, 0.2471

Square

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



86.0718, 0.3176, 0.4156



86.0718, 0.2194, 0.2820



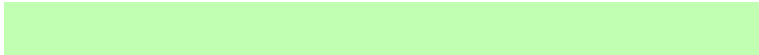
86.0718, 0.3009, 0.2583



86.0718, 0.4159, 0.3627

Rectangle

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



86.0718, 0.3176, 0.4156



86.0718, 0.2435, 0.3452



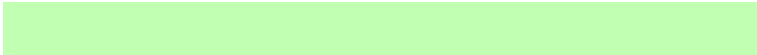
86.0718, 0.3009, 0.2583



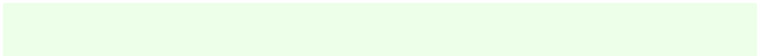
86.0718, 0.3849, 0.3088

Sweetspot

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



86.0637, 0.3176, 0.4156



95.2691, 0.3144, 0.3520



86.5563, 0.3627, 0.3909



20.2379, 0.3147, 0.3560



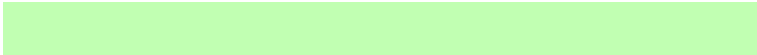
0.0000, 0.0000, 0.0000



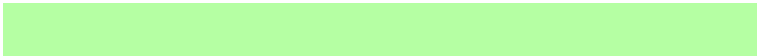
21.4041, 0.3127, 0.3290

Same Dimension

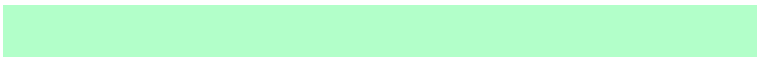
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0637, 0.3176, 0.4156



83.9995, 0.3181, 0.4348



85.2039, 0.2963, 0.3904



20.3379, 0.3145, 0.3534



37.7670, 0.3064, 0.5949



3.7196, 0.3132, 0.5895

Inverse Universe

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



57.5849, 0.3046, 0.2509



51.5184, 0.3025, 0.2355



58.9134, 0.3343, 0.2747



18.1116, 0.3107, 0.3054



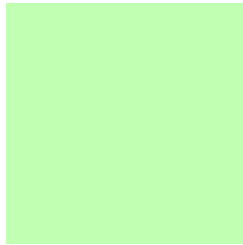
10.6518, 0.2721, 0.1272



1.0806, 0.2779, 0.1305

Previews

White Background



This preview shows how the Yxy color 86.0718, 0.3176, 0.4156 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 86.0718, 0.3176, 0.4156 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 86.0718, 0.3176, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 86.0718, 0.3176, 0.4156.

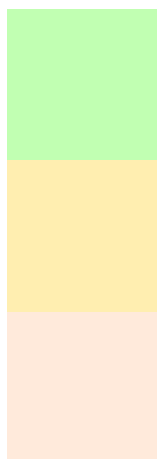


This preview shows how white text looks on a background with the Yxy color 86.0718, 0.3176, 0.4156.

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

86.0718, 0.3176, 0.4156

Protanopia

85.5437, 0.3644, 0.3914

Deuteranopia

85.2201, 0.3368, 0.3440



Tritanopia

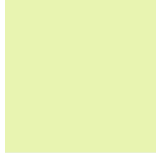
85.7843, 0.2907, 0.3156

Trichromacy



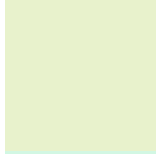
Original Color

86.0718, 0.3176, 0.4156



Protanomaly

85.0315, 0.3458, 0.3997



Deuteranomaly

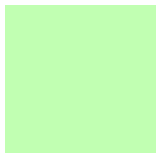
85.0197, 0.3294, 0.3689



Tritanomaly

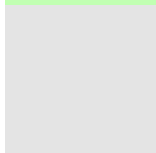
85.7692, 0.3011, 0.3503

Monochromacy



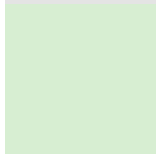
Original Color

86.0718, 0.3176, 0.4156



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2493, 0.3146, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0718, 0.3176, 0.4156 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 86.0718, 0.3176, 0.4156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

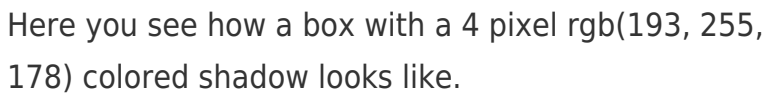
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 255, 178) }
```

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

```
.border{ border-color:rgb(193, 255, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 255, 178); box-shadow:4px 4px 4px 4px rgb(193, 255, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0718, 0.3176, 0.4156 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, 178) }
```

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

```
.background{ background-color: rgb(193,  
255, 178) }
```

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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