

Converting Colors

$Yxy(86.6317, 0.3171, 0.4102)$

Have a look what the booklet for
Yxy(86.6317, 0.3171, 0.4102)
contains.

Yxy(86.6332, 0.3173, 0.4105)	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(86.6332, 0.3173, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFB6
RGB	196, 255, 182
RGB Percent	77%, 100%, 71%
CMY	0.2315, 0.0000, 0.2863
CMYK	0.23, 0.00, 0.29, 0.00
HSL	109°, 100%, 86%
HSV	109°, 29%, 100%
XYZ	66.9640, 86.6332, 57.4459
YIQ	229.0370, -11.7310, -35.2110

Conversions

Conversions Part 2

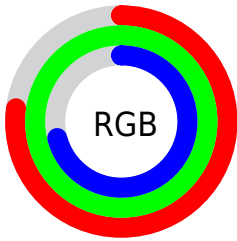
Format	Color
RYB	182, 255, 241
Decimal	12910518
CIELab	94.58, -31.74, 29.05
CIELCh	95, 43.028, 137.532
Yxy	86.6332, 0.3173, 0.4105
Android (android.graphics.Color)	4291100598 (0xFFC4FFB6)
YUV	229.0370, -23.1892, -28.9734
Hunter-Lab	93.0770, -34.4633, 28.5608

Details

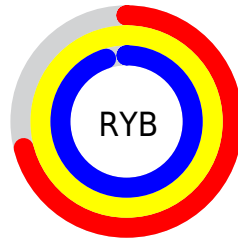
The Yxy color **86.6332, 0.3173, 0.4105** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3789, 0.3053, 0.2551**, and the grayscale version is **78.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7639, 0.3220, 0.3454**, and **47.6359, 0.3169, 0.4296** is the 20% darker color. If you saturate the color by 10%, you get **83.0933, 0.3181, 0.4438**, and if you desaturate by 10%, it is **90.7392, 0.3160, 0.3793**.

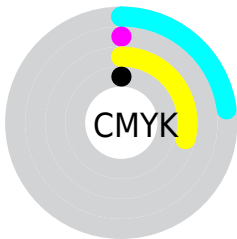
Distribution



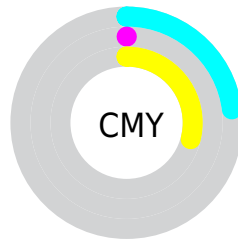
- Red (77%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (95%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6332, 0.3173, 0.4105 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 86.6332, 0.3173, 0.4105 by changing the saturation by 10% instead.


 86.6332, 0.3173,
0.4105

 86.6332, 0.3173,
0.4105


517.0168, 0.3163,
0.3722

 65.1917, 0.3173,
0.4193


 142.6528, 0.3172,
0.3971

 47.6165, 0.3171,
0.4302


177.9996, 0.3170,
0.3920

 33.5233, 0.3167,
0.4441


218.7504, 0.3169,
0.3875

 22.5276, 0.3157,
0.4623

265.2895, 0.3168,
0.3837

 14.2451, 0.3137,
0.4869

318.0013, 0.3166,
0.3803

 8.2913, 0.3095,
0.5220

377.2702, 0.3165,

 4.2819, 0.2998,

0.3773

0.5751

443.4805, 0.3164,
0.3746

■ 1.8325, 0.2930,
0.7070

■ 0.5073, 0.0000,
1.0000

■ 86.6332, 0.3173,
0.4105

■ 86.6332, 0.3173,
0.4105

■ 83.0933, 0.3181,
0.4438

■ 90.7392, 0.3160,
0.3793

■ 80.1023, 0.3183,
0.4781

■ 95.4441, 0.3143,
0.3510

■ 77.6294, 0.3175,
0.5115

100.0000, 0.3127,
0.3290

■ 75.6442, 0.3158,
0.5419

■ 74.1130, 0.3131,
0.5668

■ 72.9973, 0.3097,
0.5845

■ 72.2489, 0.3060,
0.5946

■ 72.1690, 0.3055,
0.5956

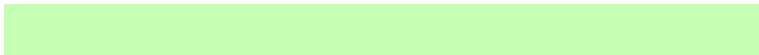
Harmonies

Analogous

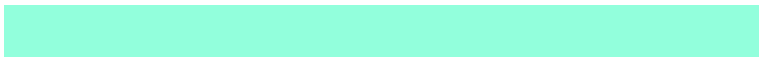
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6332, 0.3644, 0.4164



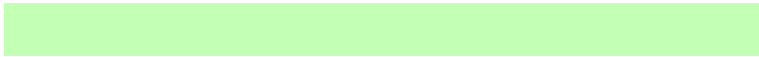
86.6332, 0.3173, 0.4105



86.6332, 0.2711, 0.3762

Triad

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



86.6332, 0.3173, 0.4105



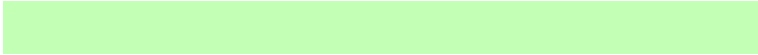
86.6332, 0.2312, 0.2581



86.6332, 0.3929, 0.3227

Complementary

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



86.6332, 0.3173, 0.4105



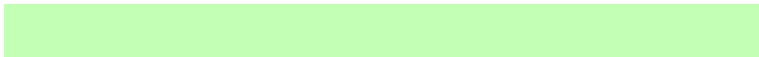
59.3789, 0.3053, 0.2551

Split Complementary

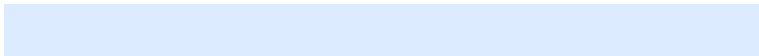
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6332, 0.3519, 0.2873



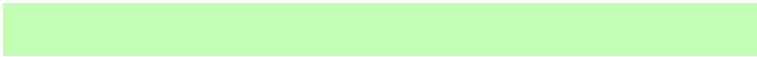
86.6332, 0.3173, 0.4105



86.6332, 0.2586, 0.2510

Square

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



86.6332, 0.3173, 0.4105



86.6332, 0.2239, 0.2845



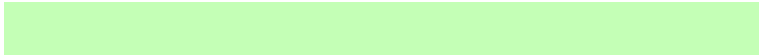
86.6332, 0.3019, 0.2618



86.6332, 0.4104, 0.3616

Rectangle

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



86.6332, 0.3173, 0.4105



86.6332, 0.2469, 0.3441



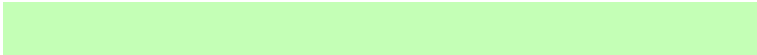
86.6332, 0.3019, 0.2618



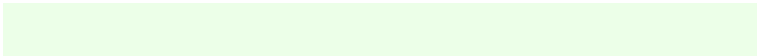
86.6332, 0.3812, 0.3102

Sweetspot

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



86.6304, 0.3173, 0.4105



95.2583, 0.3144, 0.3520



87.1930, 0.3599, 0.3876



20.2353, 0.3146, 0.3560



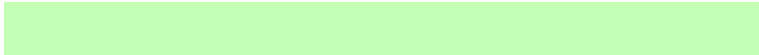
0.0000, 0.0000, 0.0000



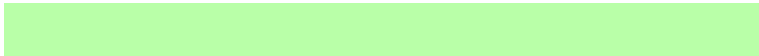
21.4041, 0.3127, 0.3290

Same Dimension

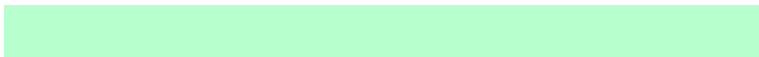
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6304, 0.3173, 0.4105



84.6609, 0.3178, 0.4282



85.8196, 0.2971, 0.3867



20.3355, 0.3145, 0.3534



37.7572, 0.3063, 0.5950



3.7183, 0.3130, 0.5897

Inverse Universe

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



59.3789, 0.3053, 0.2551



53.5817, 0.3034, 0.2408



60.6038, 0.3329, 0.2776



18.1142, 0.3107, 0.3054



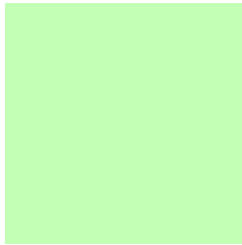
10.7036, 0.2727, 0.1276



1.0852, 0.2785, 0.1308

Previews

White Background



This preview shows how the Yxy color 86.6332, 0.3173, 0.4105 looks on a white background.

Color Contrast Check

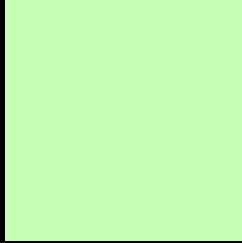
Large Text (above 18pt) WCAG AA × Fail

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 86.6332, 0.3173, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

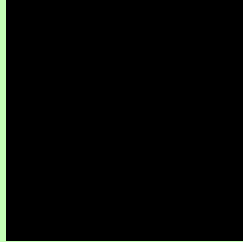
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

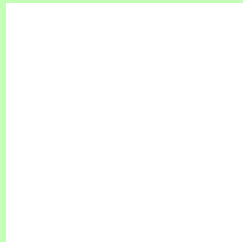
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6332, 0.3173, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 86.6332, 0.3173, 0.4105.

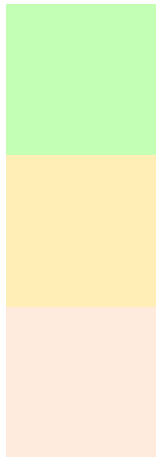


This preview shows how white text looks on a background with the Yxy color 86.6332, 0.3173, 0.4105.

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

86.6332, 0.3173, 0.4105

Protanopia

85.7453, 0.3612, 0.3863

Deuteranopia

85.8971, 0.3354, 0.3430



Tritanopia

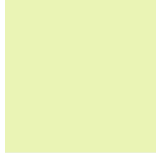
86.0964, 0.2919, 0.3157

Trichromacy



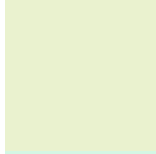
Original Color

86.6332, 0.3173, 0.4105



Protanomaly

85.5300, 0.3448, 0.3952



Deuteranomaly

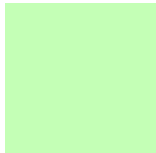
85.5017, 0.3289, 0.3655



Tritanomaly

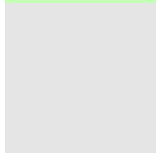
86.1200, 0.3017, 0.3492

Monochromacy



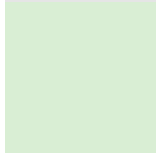
Original Color

86.6332, 0.3173, 0.4105



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6543, 0.3147, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6332, 0.3173, 0.4105 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(196, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 182)  
}
```

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(196, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 86.6332, 0.3173, 0.4105 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(196, 255, 182) }
```

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

```
.border{ border-color:rgb(196, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6332, 0.3173, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 182) }
```

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

```
.background{ background-color: rgb(196,  
255, 182) }
```

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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