

Converting Colors

$Yxy(86.7677, 0.3179, 0.4103)$

Have a look what the booklet for
Yxy(86.7677, 0.3179, 0.4103)
contains.

Yxy(86.7677, 0.3179, 0.4103)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7677, 0.3179, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFB6
RGB	197, 255, 182
RGB Percent	77%, 100%, 71%
CMY	0.2275, 0.0000, 0.2861
CMYK	0.23, 0.00, 0.29, 0.00
HSL	108°, 100%, 86%
HSV	108°, 29%, 100%
XYZ	67.2275, 86.7677, 57.4786
YIQ	229.3360, -11.1350, -34.9990

Conversions

Conversions Part 2

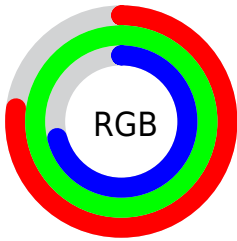
Format	Color
RYB	182, 255, 240
Decimal	12976054
CIELab	94.64, -31.40, 29.12
CIElCh	95, 42.826, 137.161
Yxy	86.7677, 0.3179, 0.4103
Android (android.graphics.Color)	4291166134 (0xFFC5FFB6)
YUV	229.3360, -23.3366, -28.3587
Hunter-Lab	93.1492, -34.1843, 28.6190

Details

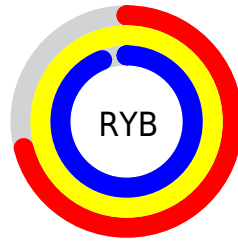
The Yxy color **86.7677, 0.3179, 0.4103** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.2261, 0.3046, 0.2550**, and the grayscale version is **78.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **47.7239, 0.3177, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **83.2503, 0.3189, 0.4435**, and if you desaturate by 10%, it is **90.8421, 0.3164, 0.3792**.

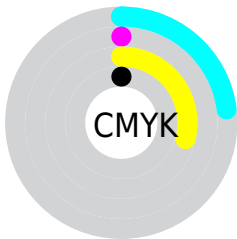
Distribution



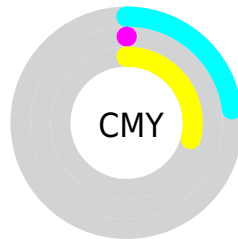
- Red (77%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (94%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7677, 0.3179, 0.4103 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 86.7677, 0.3179, 0.4103 by changing the saturation by 10% instead.

 86.7677, 0.3179,
0.4103

 86.7677, 0.3179,
0.4103


517.4592, 0.3166,
0.3722

 65.3030, 0.3179,
0.4191


 142.8403, 0.3177,
0.3970

 47.7068, 0.3178,
0.4300


178.2170, 0.3175,
0.3918

 33.5948, 0.3175,
0.4438


218.9998, 0.3173,
0.3874

 22.5825, 0.3167,
0.4618

265.5731, 0.3172,
0.3836

 14.2855, 0.3148,
0.4863

318.3213, 0.3170,
0.3802

 8.3195, 0.3108,
0.5212

377.6288, 0.3169,

 4.3001, 0.3015,

0.3772

0.5738

443.8800, 0.3167,
0.3745

1.8428, 0.2957,
0.7043

0.5136, 0.0000,
1.0000

86.7677, 0.3179,
0.4103

86.7677, 0.3179,
0.4103

83.2503, 0.3189,
0.4435

90.8421, 0.3164,
0.3792

80.2696, 0.3192,
0.4776

95.5017, 0.3145,
0.3510

77.7971, 0.3186,
0.5109

100.0000, 0.3127,
0.3290

75.8034, 0.3169,
0.5411

■ 74.2558, 0.3142,
0.5660

■ 73.1172, 0.3106,
0.5838

■ 72.3408, 0.3067,
0.5940

■ 72.2558, 0.3062,
0.5950

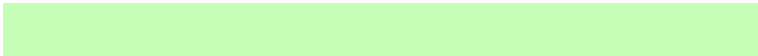
Harmonies

Analogous

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



86.7677, 0.3647, 0.4159



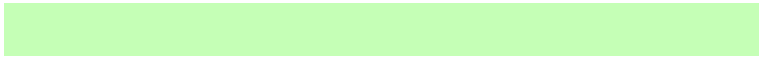
86.7677, 0.3179, 0.4103



86.7677, 0.2719, 0.3765

Triad

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



86.7677, 0.3179, 0.4103



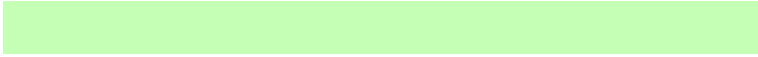
86.7677, 0.2314, 0.2586



86.7677, 0.3921, 0.3222

Complementary

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



86.7677, 0.3179, 0.4103



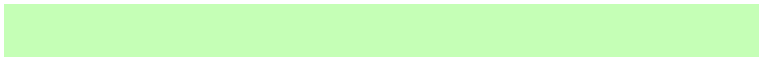
59.2261, 0.3046, 0.2550

Split Complementary

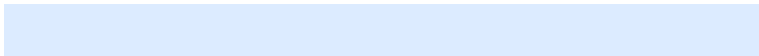
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7677, 0.3511, 0.2871



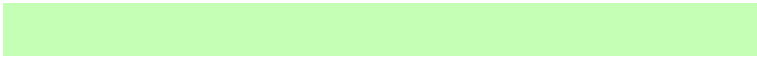
86.7677, 0.3179, 0.4103



86.7677, 0.2584, 0.2513

Square

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



86.7677, 0.3179, 0.4103



86.7677, 0.2244, 0.2852



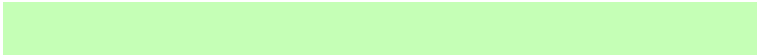
86.7677, 0.3014, 0.2619



86.7677, 0.4099, 0.3610

Rectangle

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



86.7677, 0.3179, 0.4103



86.7677, 0.2476, 0.3447



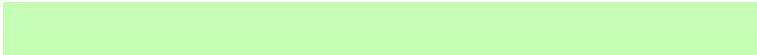
86.7677, 0.3014, 0.2619



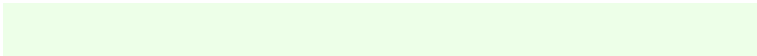
86.7677, 0.3804, 0.3098

Sweetspot

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



86.7661, 0.3179, 0.4103



95.3105, 0.3146, 0.3520



86.4838, 0.3602, 0.3864



20.2480, 0.3148, 0.3559



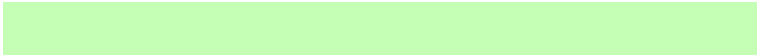
0.0000, 0.0000, 0.0000



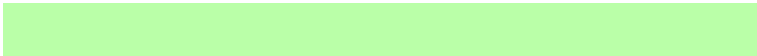
21.4041, 0.3127, 0.3290

Same Dimension

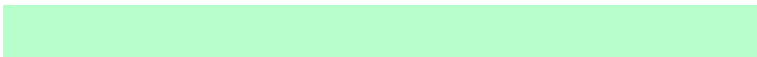
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7661, 0.3179, 0.4103



84.8042, 0.3185, 0.4280



85.7674, 0.2978, 0.3881



20.3472, 0.3147, 0.3534



37.8053, 0.3070, 0.5944



3.7246, 0.3140, 0.5889

Inverse Universe

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



59.2261, 0.3046, 0.2550



53.3831, 0.3025, 0.2406



60.6898, 0.3320, 0.2765



18.1015, 0.3105, 0.3053



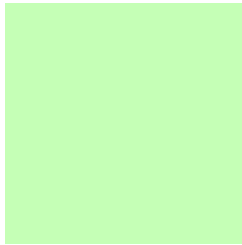
10.4564, 0.2694, 0.1258



1.0633, 0.2756, 0.1292

Previews

White Background



This preview shows how the Yxy color 86.7677, 0.3179, 0.4103 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 86.7677, 0.3179, 0.4103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

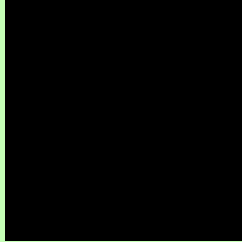
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

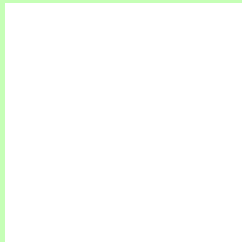
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7677, 0.3179, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 86.7677, 0.3179, 0.4103.

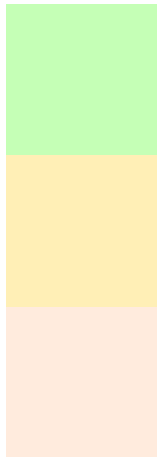


This preview shows how white text looks on a background with the Yxy color 86.7677, 0.3179, 0.4103.

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

86.7677, 0.3179, 0.4103

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

85.8971, 0.3354, 0.3430



Tritanopia

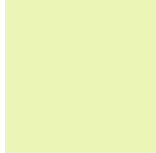
86.2539, 0.2925, 0.3157

Trichromacy



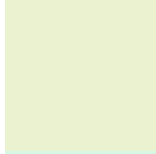
Original Color

86.7677, 0.3179, 0.4103



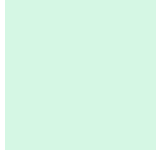
Protanomaly

86.1746, 0.3439, 0.3950



Deuteranomaly

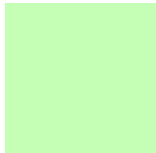
85.5017, 0.3289, 0.3655



Tritanomaly

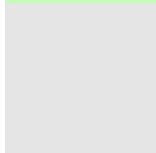
86.2691, 0.3023, 0.3491

Monochromacy



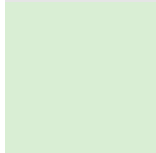
Original Color

86.7677, 0.3179, 0.4103



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 86.7677, 0.3179, 0.4103 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(197, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 86.7677, 0.3179, 0.4103 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(197, 255, 182) }
```

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

```
.border{ border-color:rgb(197, 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(197, 255, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7677, 0.3179, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 182) }
```

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

```
.background{ background-color: rgb(197,  
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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