

# Converting Colors

Yxy(86.5250, 0.2837, 0.3613)

Have a look what the booklet for  
Yxy(86.5250, 0.2837, 0.3613)  
contains.

<b>Yxy(86.4760, 0.2834, 0.3612)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(86.4760, 0.2834, 0.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FFE2
RGB	178, 255, 226
RGB Percent	70%, 100%, 89%
CMY	0.3020, 0.0000, 0.1136
CMYK	0.30, 0.00, 0.11, 0.00
HSL	157°, 100%, 85%
HSV	157°, 30%, 100%
XYZ	67.8497, 86.4760, 85.0874
YIQ	228.6710, -36.5830, -25.3430

# Conversions

## Conversions Part 2

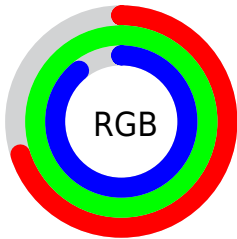
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 225, 255
Decimal	11730914
CIELab	94.52, -29.50, 6.33
CIELCh	95, 30.169, 167.896
Yxy	86.4760, 0.2834, 0.3612
Android (android.graphics.Color)	4289920994 (0xFFB2FFE2)
YUV	228.6710, -1.3168, -44.4385
Hunter-Lab	92.9925, -32.4987, 10.8448

# Details

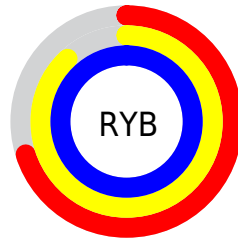
The Yxy color **86.4760, 0.2834, 0.3612** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.6027, 0.3553, 0.2992**, and the grayscale version is **78.1313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.5394, 0.2767, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **83.2239, 0.2752, 0.3739**, and if you desaturate by 10%, it is **90.3206, 0.2926, 0.3495**.

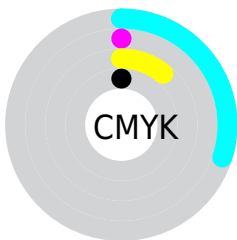
# Distribution



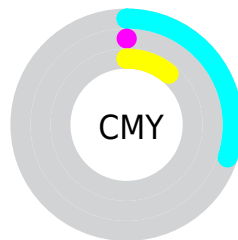
- Red (70%)
- Green (100%)
- Blue (89%)



- Red (70%)
- Yellow (88%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4760, 0.2834, 0.3612 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 86.4760, 0.2834, 0.3612 by changing the saturation by 10% instead.





 86.4760, 0.2834,  
0.3612

 86.4760, 0.2834,  
0.3612

516.4995, 0.2967,  
0.3464

 65.0617, 0.2804,  
0.3645


 142.4335, 0.2880,  
0.3561

 47.5111, 0.2768,  
0.3687


177.7455, 0.2897,  
0.3541

 33.4399, 0.2722,  
0.3739

218.4589, 0.2913,  
0.3524

 22.4636, 0.2663,  
0.3806

264.9579, 0.2926,  
0.3509

 14.1980, 0.2585,  
0.3898

317.6271, 0.2938,  
0.3496

 8.2585, 0.2474,  
0.4028

376.8509, 0.2949,

 4.2608, 0.2307,

0.3484

0.4229

443.0135, 0.2958,  
0.3474

■ 1.8205, 0.2030,  
0.4577

■ 0.4999, 0.0000,  
0.8305

■ 86.4760, 0.2834,  
0.3612

■ 86.4760, 0.2834,  
0.3612

■ 83.2239, 0.2752,  
0.3739

■ 90.3206, 0.2926,  
0.3495

■ 80.5291, 0.2683,  
0.3875

■ 94.7833, 0.3023,  
0.3388

■ 78.3581, 0.2630,  
0.4017

■ 99.8924, 0.3125,  
0.3292

■ 76.6724, 0.2595,  
0.4164

■ 100.0000, 0.3127,  
0.3290

■ 75.4277, 0.2581,  
0.4313

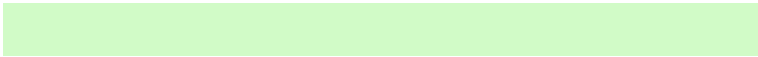
■ 74.5713, 0.2588,  
0.4459

■ 74.0255, 0.2611,  
0.4599

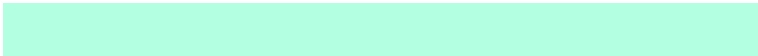
# Harmonies

## Analogous

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



86.4760, 0.3164, 0.3846



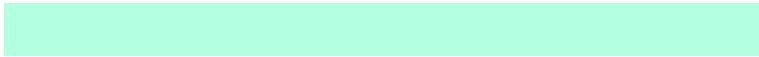
86.4760, 0.2834, 0.3612



86.4760, 0.2591, 0.3285

# Triad

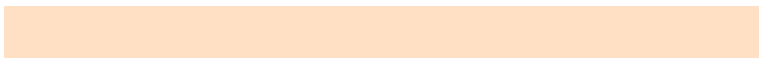
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4760, 0.2834, 0.3612



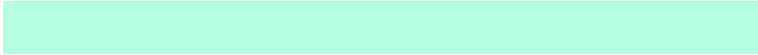
86.4760, 0.2747, 0.2728



86.4760, 0.3811, 0.3540

# Complementary

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



86.4760, 0.2834, 0.3612



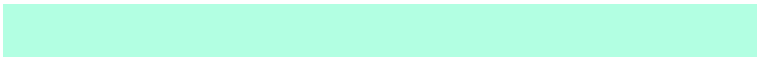
57.6027, 0.3553, 0.2992

# 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.



86.4760, 0.3690, 0.3257



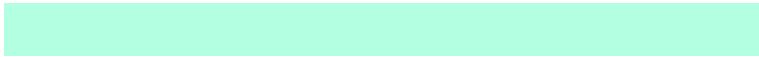
86.4760, 0.2834, 0.3612



86.4760, 0.3060, 0.2805

# Square

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



86.4760, 0.2834, 0.3612



86.4760, 0.2544, 0.2786



86.4760, 0.3409, 0.2995

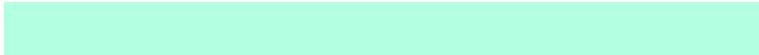


86.4760, 0.3737, 0.3779



# Rectangle

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



86.4760, 0.2834, 0.3612



86.4760, 0.2505, 0.3074



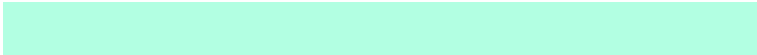
86.4760, 0.3409, 0.2995



86.4760, 0.3792, 0.3447

# Sweetspot

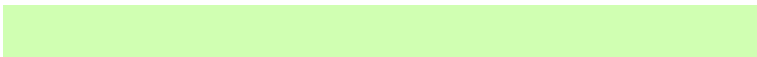
The Sweet Spot groups the original color and five complimentary colors.



86.4772, 0.2834, 0.3612



95.3605, 0.3035, 0.3376



88.0738, 0.3268, 0.4131



20.2612, 0.3021, 0.3391



0.0000, 0.0000, 0.0000

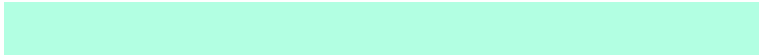


21.4041, 0.3127, 0.3290

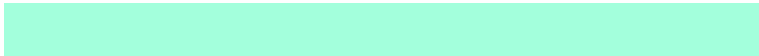


# Same Dimension

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



86.4772, 0.2834, 0.3612



84.5196, 0.2785, 0.3685



82.6060, 0.2680, 0.3191



20.3588, 0.3030, 0.3381



38.7099, 0.2604, 0.4576



3.7903, 0.2559, 0.4412



# Inverse Universe

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



57.6027, 0.3553, 0.2992



51.5905, 0.3668, 0.2932



60.0064, 0.3783, 0.3386



18.1001, 0.3235, 0.3201



11.5760, 0.5480, 0.2793

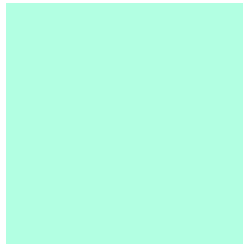


1.1475, 0.5171, 0.2622



# Previews

## White Background



This preview shows how the Yxy color 86.4760, 0.2834, 0.3612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

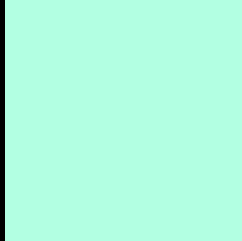
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4760, 0.2834, 0.3612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

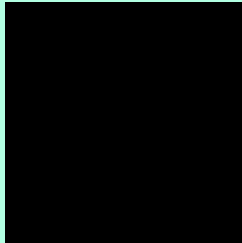
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4760, 0.2834, 0.3612**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4760, 0.2834, 0.3612.

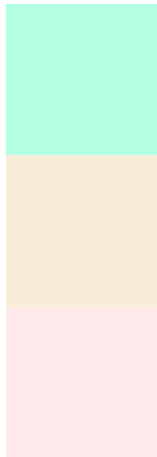


This preview shows how white text looks on a background with the Yxy color 86.4760, 0.2834, 0.3612.

# 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

86.4760, 0.2834, 0.3612

### Protanopia

85.5346, 0.3329, 0.3492

### Deuteranopia

85.4783, 0.3271, 0.3281



## Tritanopia

86.0675, 0.2872, 0.3176

# Trichromacy



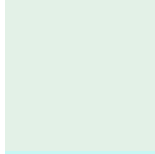
## Original Color

86.4760, 0.2834, 0.3612



## Protanomaly

85.5566, 0.3135, 0.3543



## Deuteranomaly

85.0110, 0.3096, 0.3394



## Tritanomaly

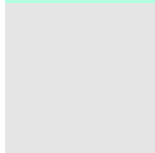
85.9458, 0.2858, 0.3332

# Monochromacy



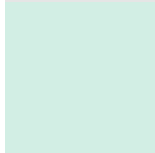
## Original Color

86.4760, 0.2834, 0.3612



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.4521, 0.3005, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4760, 0.2834, 0.3612 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(178, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 226)  
}
```

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(178, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4760, 0.2834, 0.3612 is called "border". The border property can be set on classes, ids or directly on the HTML element.

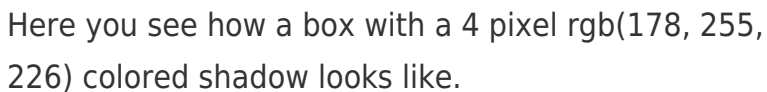
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 255, 226) }
```

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

```
.border{ border-color:rgb(178, 255, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4760, 0.2834, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 226) }
```

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

```
.background{ background-color: rgb(178,  
255, 226) }
```

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