

# Converting Colors

$Yxy(86.4037, 0.2767, 0.3365)$

Have a look what the booklet for  
Yxy(86.4037, 0.2767, 0.3365)  
contains.

<b>Yxy(86.4037, 0.2767, 0.3365)</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(86.4037, 0.2767, 0.3365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FCF5
RGB	184, 252, 245
RGB Percent	72%, 99%, 96%
CMY	0.2786, 0.0117, 0.0392
CMYK	0.27, 0.00, 0.03, 0.01
HSL	174°, 92%, 85%
HSV	174°, 27%, 99%
XYZ	71.0487, 86.4037, 99.3193
YIQ	230.8700, -38.2810, -16.5930

# Conversions

## Conversions Part 2

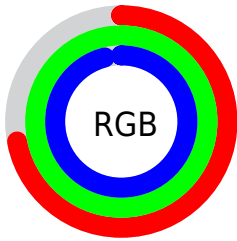
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 220, 252
Decimal	12123381
CIELab	94.48, -22.45, -3.47
CIELCh	94, 22.717, 188.794
Yxy	86.4037, 0.2767, 0.3365
Android (android.graphics.Color)	4290313461 (0xFFB8FCF5)
YUV	230.8700, 6.9661, -41.1050
Hunter-Lab	92.9536, -26.2329, 1.7172

# Details

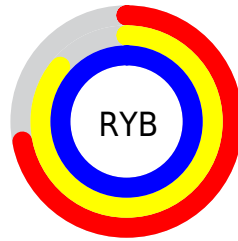
The Yxy color **86.4037, 0.2767, 0.3365** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7165, 0.3654, 0.3218**, and the grayscale version is **79.7720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **47.3715, 0.2689, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **83.4109, 0.2653, 0.3397**, and if you desaturate by 10%, it is **89.9601, 0.2893, 0.3335**.

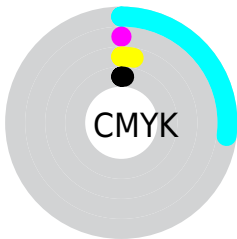
# Distribution



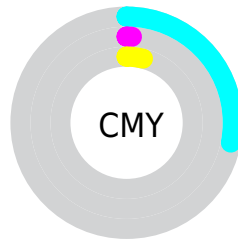
- Red (72%)
- Green (99%)
- Blue (96%)



- Red (72%)
- Yellow (86%)
- Blue (99%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (28%)
- Magenta (1%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4037, 0.2767, 0.3365 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 86.4037, 0.2767, 0.3365 by changing the saturation by 10% instead.




 86.4037, 0.2767,  
0.3365

 86.4037, 0.2767,  
0.3365


516.2614, 0.2927,  
0.3333

 65.0019, 0.2732,  
0.3372


 142.3327, 0.2821,  
0.3354

 47.4626, 0.2689,  
0.3380


177.6287, 0.2843,  
0.3350

 33.4015, 0.2636,  
0.3390


218.3248, 0.2862,  
0.3346

 22.4342, 0.2568,  
0.3402

264.8054, 0.2878,  
0.3343

 14.1763, 0.2479,  
0.3417

317.4550, 0.2893,  
0.3340

 8.2434, 0.2356,  
0.3436


376.6579, 0.2905,


 4.2511, 0.2177,


0.3338


0.3462


442.7986, 0.2917,  
0.3335


 1.8150, 0.1894,  
0.3495


 0.4965, 0.0000,  
0.3879


 86.4037, 0.2767,  
0.3365


 86.4037, 0.2767,  
0.3365


 83.4109, 0.2653,  
0.3397

 89.9601, 0.2893,  
0.3335


 80.9416, 0.2555,  
0.3430


 94.0968, 0.3028,  
0.3308

 78.9673, 0.2473,  
0.3465


 97.9696, 0.3141,  
0.3283

 77.4522, 0.2411,  
0.3501

 98.1109, 0.3128,  
0.3262

 76.3558, 0.2368,  
0.3537

 75.6306, 0.2345,  
0.3573

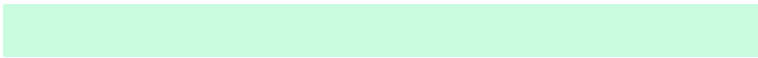
 75.2159, 0.2339,  
0.3608

 75.1246, 0.2339,  
0.3619

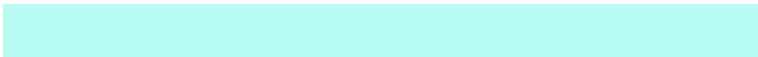
# Harmonies

## Analogous

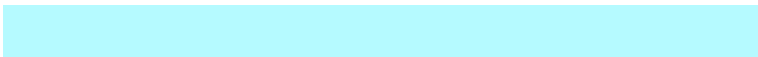
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4037, 0.2979, 0.3593



86.4037, 0.2767, 0.3365



86.4037, 0.2651, 0.3125

# Triad

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



86.4037, 0.2767, 0.3365



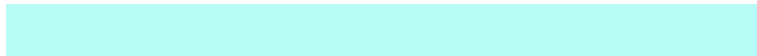
86.4037, 0.3001, 0.2890



86.4037, 0.3618, 0.3617

# Complementary

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



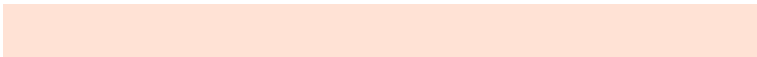
86.4037, 0.2767, 0.3365



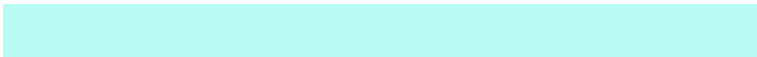
58.7165, 0.3654, 0.3218

# 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.



86.4037, 0.3628, 0.3421



86.4037, 0.2767, 0.3365



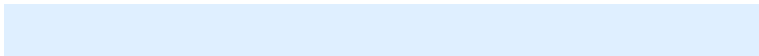
86.4037, 0.3263, 0.3013

# Square

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



86.4037, 0.2767, 0.3365



86.4037, 0.2782, 0.2863



86.4037, 0.3496, 0.3203



86.4037, 0.3473, 0.3735



# Rectangle

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



86.4037, 0.2767, 0.3365



86.4037, 0.2641, 0.2995



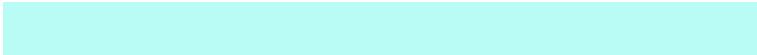
86.4037, 0.3496, 0.3203



86.4037, 0.3638, 0.3557

# Sweetspot

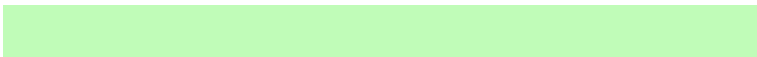
The Sweet Spot groups the original color and five complimentary colors.



86.4072, 0.2767, 0.3365



96.1995, 0.3015, 0.3310



84.2810, 0.3139, 0.4060



20.4473, 0.2994, 0.3314



0.0000, 0.0000, 0.0000

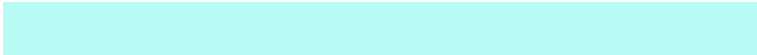


21.4041, 0.3127, 0.3290

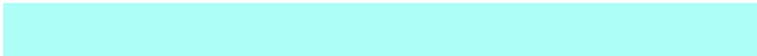


# Same Dimension

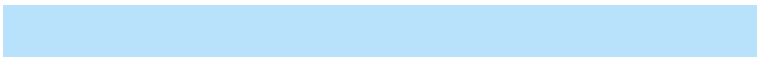
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4072, 0.2767, 0.3365



87.1401, 0.2708, 0.3381



71.5633, 0.2704, 0.2999



19.5760, 0.2994, 0.3314



39.1405, 0.2337, 0.3613



3.6337, 0.2325, 0.3570



# Inverse Universe

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



58.7165, 0.3654, 0.3218



54.6703, 0.3790, 0.3204



70.2693, 0.3643, 0.3563



17.2543, 0.3278, 0.3266



10.8290, 0.6282, 0.3234

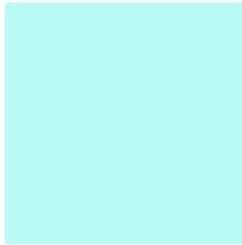


1.0123, 0.6054, 0.3109



# Previews

## White Background



This preview shows how the Yxy color 86.4037, 0.2767, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

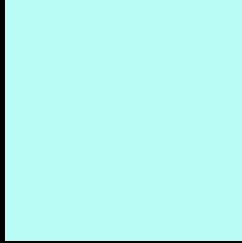
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4037, 0.2767, 0.3365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

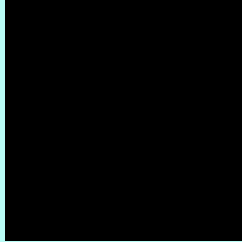
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4037, 0.2767, 0.3365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4037, 0.2767, 0.3365.

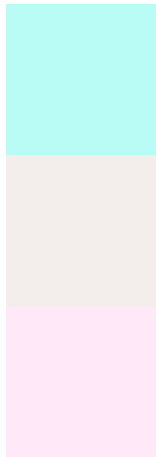


This preview shows how white text looks on a background with the Yxy color 86.4037, 0.2767, 0.3365.

# 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

86.4037, 0.2767, 0.3365

### Protanopia

85.6792, 0.3173, 0.3300

### Deuteranopia

85.7505, 0.3182, 0.3135



## Tritanopia

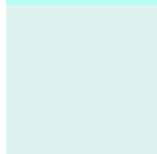
86.2175, 0.2878, 0.3176

# Trichromacy



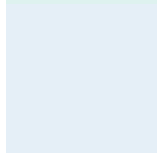
## Original Color

86.4037, 0.2767, 0.3365



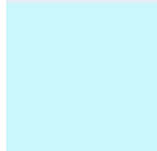
## Protanomaly

85.2659, 0.3017, 0.3321



## Deuteranomaly

85.1064, 0.3014, 0.3208



## Tritanomaly

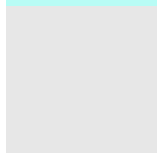
86.1831, 0.2837, 0.3247

# Monochromacy



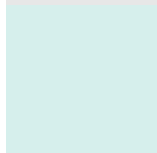
## Original Color

86.4037, 0.2767, 0.3365



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.0853, 0.2984, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4037, 0.2767, 0.3365 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(184, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(184, 252, 245)  
}
```

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(184, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 252, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4037, 0.2767, 0.3365 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(184, 252, 245) }
```

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

```
.border{ border-color:rgb(184, 252, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 252, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(184, 252,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4037, 0.2767, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 252, 245) }
```

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

```
.background{ background-color: rgb(184,  
252, 245) }
```

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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