

# Converting Colors

$Yxy(87.5026, 0.2870, 0.3594)$

Have a look what the booklet for  
Yxy(87.5026, 0.2870, 0.3594)  
contains.

<b>Yxy(87.5052, 0.2872, 0.3597)</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(87.5052, 0.2872, 0.3597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFE3
RGB	186, 255, 227
RGB Percent	73%, 100%, 89%
CMY	0.2708, 0.0000, 0.1097
CMYK	0.27, 0.00, 0.11, 0.00
HSL	156°, 100%, 86%
HSV	156°, 27%, 100%
XYZ	69.8679, 87.5052, 85.8996
YIQ	231.1770, -32.1360, -23.3360

# Conversions

## Conversions Part 2

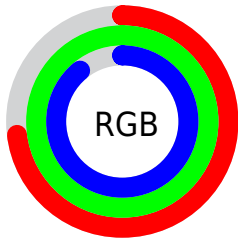
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 229, 255
Decimal	12255203
CIELab	94.95, -26.99, 6.49
CIElCh	95, 27.763, 166.471
Yxy	87.5052, 0.2872, 0.3597
Android (android.graphics.Color)	4290445283 (0xFFBAFFE3)
YUV	231.1770, -2.0593, -39.6202
Hunter-Lab	93.5442, -30.3812, 11.0362

# Details

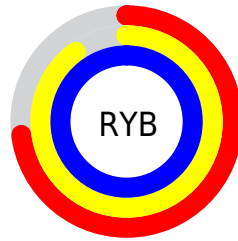
The Yxy color **87.5052, 0.2872, 0.3597** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.2069, 0.3480, 0.3004**, and the grayscale version is **80.0728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **48.1920, 0.2812, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **84.0339, 0.2790, 0.3731**, and if you desaturate by 10%, it is **91.5705, 0.2962, 0.3474**.

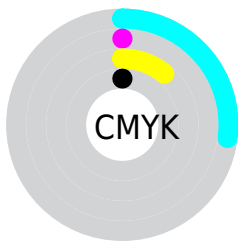
# Distribution



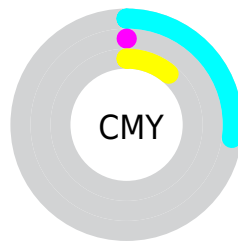
- Red (73%)
- Green (100%)
- Blue (89%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5052, 0.2872, 0.3597 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 87.5052, 0.2872, 0.3597 by changing the saturation by 10% instead.





 87.5052, 0.2872,  
0.3597

 87.5052, 0.2872,  
0.3597

519.8815, 0.2988,  
0.3457

 65.9134, 0.2846,  
0.3629


 143.8681, 0.2912,  
0.3549

 48.2021, 0.2814,  
0.3668

179.4079, 0.2927,  
0.3530

 33.9869, 0.2775,  
0.3717

220.3659, 0.2941,  
0.3513

 22.8836, 0.2724,  
0.3781

267.1264, 0.2952,  
0.3499

 14.5076, 0.2655,  
0.3867

320.0738, 0.2963,  
0.3486

 8.4745, 0.2559,  
0.3990

379.5926, 0.2972,

 4.4001, 0.2414,

0.3475

0.4179

446.0670, 0.2980,  
0.3465

1.8998, 0.2173,  
0.4504

0.5482, 0.0000,  
0.7933

87.5052, 0.2872,  
0.3597

87.5052, 0.2872,  
0.3597

84.0339, 0.2790,  
0.3731

91.5705, 0.2962,  
0.3474

81.1407, 0.2719,  
0.3876

96.2735, 0.3058,  
0.3362

78.7870, 0.2663,  
0.4028

100.0000, 0.3127,  
0.3290

76.9352, 0.2625,  
0.4186

■ 75.5431, 0.2607,  
0.4347

■ 74.5609, 0.2609,  
0.4506

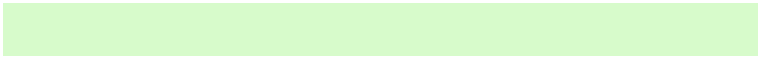
■ 73.9252, 0.2632,  
0.4660

■ 73.7773, 0.2640,  
0.4705

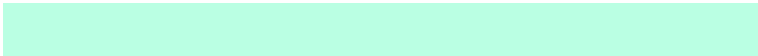
# Harmonies

## Analogous

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



87.5052, 0.3177, 0.3803



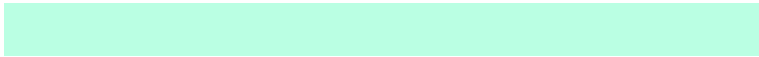
87.5052, 0.2872, 0.3597



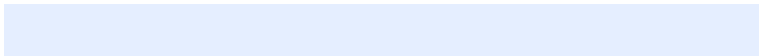
87.5052, 0.2642, 0.3301

# Triad

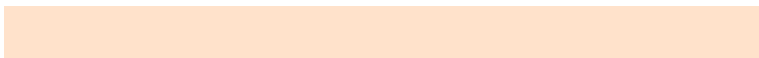
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5052, 0.2872, 0.3597



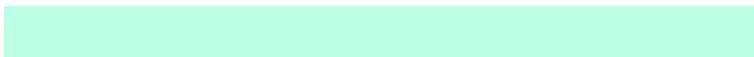
87.5052, 0.2767, 0.2772



87.5052, 0.3752, 0.3510

# Complementary

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



87.5052, 0.2872, 0.3597



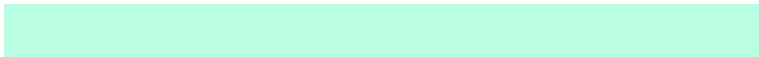
61.2069, 0.3480, 0.3004

# 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.



87.5052, 0.3633, 0.3249



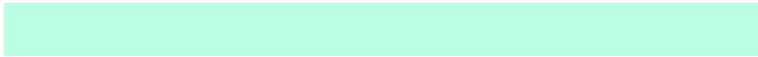
87.5052, 0.2872, 0.3597



87.5052, 0.3052, 0.2837

# Square

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



87.5052, 0.2872, 0.3597



87.5052, 0.2584, 0.2833



87.5052, 0.3371, 0.3008

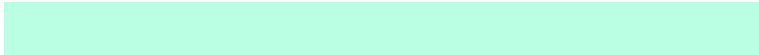


87.5052, 0.3694, 0.3732



# Rectangle

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



87.5052, 0.2872, 0.3597



87.5052, 0.2558, 0.3106



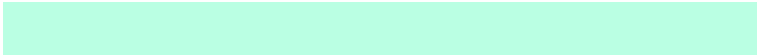
87.5052, 0.3371, 0.3008



87.5052, 0.3732, 0.3424

# Sweetspot

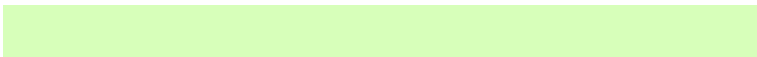
The Sweet Spot groups the original color and five complimentary colors.



87.5002, 0.2872, 0.3597



95.8133, 0.3049, 0.3372



89.4676, 0.3270, 0.4032



20.3496, 0.3034, 0.3388



0.0000, 0.0000, 0.0000

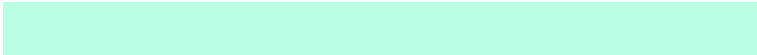


21.4041, 0.3127, 0.3290

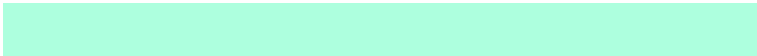


# Same Dimension

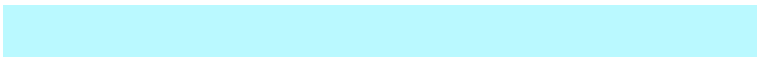
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5002, 0.2872, 0.3597



85.7209, 0.2830, 0.3662



85.5559, 0.2725, 0.3227



20.3496, 0.3034, 0.3388



38.5806, 0.2633, 0.4679



3.7781, 0.2584, 0.4504



# Inverse Universe

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



61.2069, 0.3480, 0.3004



55.7792, 0.3567, 0.2949



62.3717, 0.3702, 0.3352



18.1090, 0.3230, 0.3194



11.6513, 0.5363, 0.2728

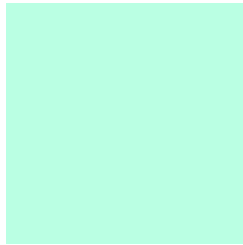


1.1554, 0.5064, 0.2563



# Previews

## White Background



This preview shows how the Yxy color 87.5052, 0.2872, 0.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

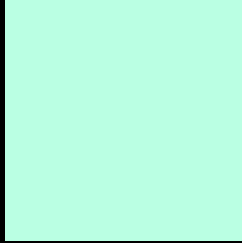
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5052, 0.2872, 0.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

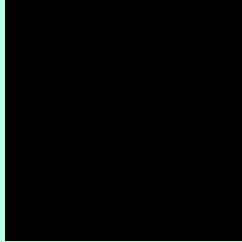
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.5052, 0.2872, 0.3597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5052, 0.2872, 0.3597.

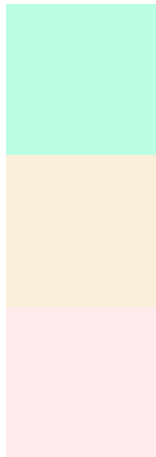


This preview shows how white text looks on a background with the Yxy color 87.5052, 0.2872, 0.3597.

# 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

87.5052, 0.2872, 0.3597

### Protanopia

86.9347, 0.3326, 0.3501

### Deuteranopia

86.6748, 0.3263, 0.3290



## Tritanopia

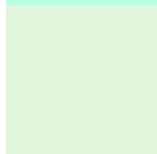
86.8268, 0.2902, 0.3177

# Trichromacy



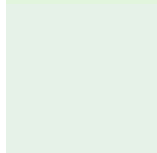
## Original Color

87.5052, 0.2872, 0.3597



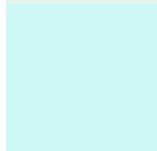
## Protanomaly

86.6940, 0.3148, 0.3541



## Deuteranomaly

86.1535, 0.3109, 0.3393



## Tritanomaly

86.8492, 0.2887, 0.3321

# Monochromacy



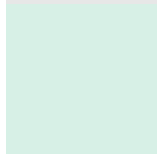
## Original Color

87.5052, 0.2872, 0.3597



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.4804, 0.3025, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5052, 0.2872, 0.3597 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(186, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 227)  
}
```

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(186, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5052, 0.2872, 0.3597 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(186, 255, 227) }
```

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

```
.border{ border-color:rgb(186, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5052, 0.2872, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 227) }
```

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

```
.background{ background-color: rgb(186,  
255, 227) }
```

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