

# Converting Colors

$Yxy(88.5310, 0.3026, 0.3750)$

Have a look what the booklet for  
Yxy(88.5310, 0.3026, 0.3750)  
contains.

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# Color

**Yxy(88.6035, 0.3027, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8FFD5
RGB	200, 255, 213
RGB Percent	78%, 100%, 84%
CMY	0.2159, 0.0000, 0.1647
CMYK	0.22, 0.00, 0.16, 0.00
HSL	134°, 100%, 89%
HSV	134°, 22%, 100%
XYZ	71.5780, 88.6035, 76.2837
YIQ	233.7670, -19.2980, -24.7220

# Conversions

## Conversions Part 2

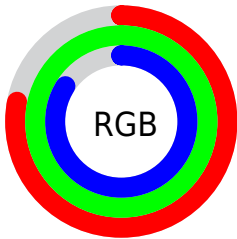
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 244, 255
Decimal	13172693
CIE <sub>Lab</sub>	95.41, -25.33, 14.46
CIE <sub>LCh</sub>	95, 29.171, 150.279
Y <sub>xy</sub>	88.6035, 0.3027, 0.3747
Android (android.graphics.Color)	4291362773 (0xFFC8FFD5)
YUV	233.7670, -10.2381, -29.6137
Hunter-Lab	94.1294, -28.9913, 17.8412

# Details

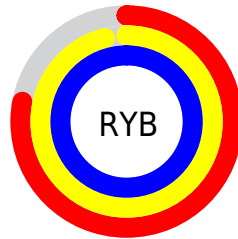
The Yxy color **88.6035, 0.3027, 0.3747** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.9477, 0.3246, 0.2873**, and the grayscale version is **82.1694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8765, 0.3003, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **84.4446, 0.2983, 0.3998**, and if you desaturate by 10%, it is **93.4505, 0.3073, 0.3520**.

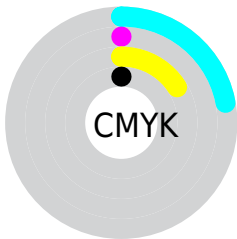
# Distribution



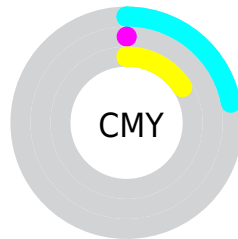
- Red (78%)
- Green (100%)
- Blue (84%)



- Red (78%)
- Yellow (96%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6035, 0.3027, 0.3747 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 88.6035, 0.3027, 0.3747 by changing the saturation by 10% instead.



 88.6035, 0.3027,  
0.3747

 88.6035, 0.3027,  
0.3747


523.4776, 0.3075,  
0.3536

 66.8230, 0.3016,  
0.3795


145.3971, 0.3044,  
0.3674

 48.9408, 0.3001,  
0.3854


181.1789, 0.3051,  
0.3645

 34.5725, 0.2983,  
0.3929


222.3966, 0.3056,  
0.3621

 23.3338, 0.2958,  
0.4027

269.4347, 0.3061,  
0.3600

 14.8401, 0.2924,  
0.4160

322.6774, 0.3065,  
0.3581

 8.7073, 0.2873,  
0.4351

382.5092, 0.3069,

 4.5507, 0.2790,

0.3564

0.4645

449.3144, 0.3072,  
0.3549

1.9862, 0.2636,  
0.5163

0.5994, 0.0000,  
1.0000

88.6035, 0.3027,  
0.3747

88.6035, 0.3027,  
0.3747

84.4446, 0.2983,  
0.3998

93.4505, 0.3073,  
0.3520

80.9642, 0.2944,  
0.4271

99.0403, 0.3120,  
0.3320

78.1187, 0.2912,  
0.4560

100.0000, 0.3127,  
0.3290

75.8686, 0.2890,  
0.4854

■ 74.1702, 0.2882,  
0.5138

■ 72.9733, 0.2889,  
0.5397

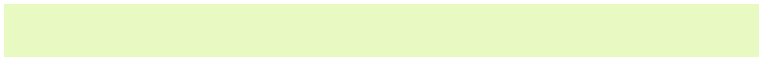
■ 72.2182, 0.2909,  
0.5616

■ 71.8517, 0.2934,  
0.5761

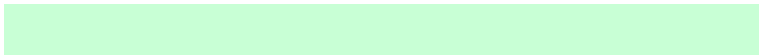
# Harmonies

## Analogous

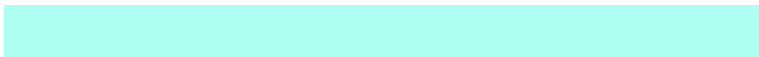
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6035, 0.3356, 0.3876



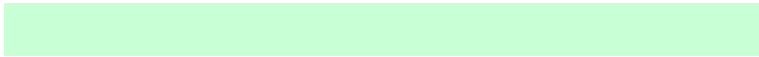
88.6035, 0.3027, 0.3747



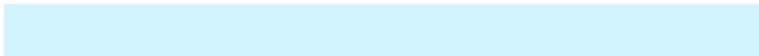
88.6035, 0.2736, 0.3474

# Triad

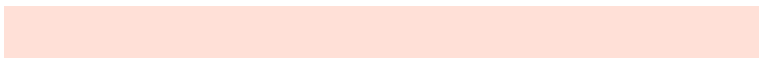
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6035, 0.3027, 0.3747



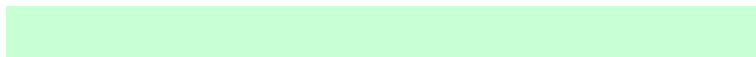
88.6035, 0.2631, 0.2766



88.6035, 0.3737, 0.3372

# Complementary

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



88.6035, 0.3027, 0.3747



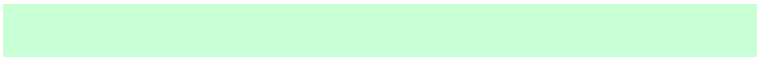
68.9477, 0.3246, 0.2873

# 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.



88.6035, 0.3522, 0.3105



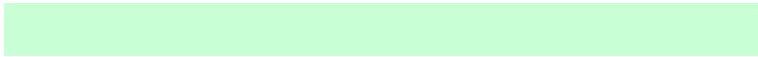
88.6035, 0.3027, 0.3747



88.6035, 0.2877, 0.2765

# Square

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



88.6035, 0.3027, 0.3747



88.6035, 0.2516, 0.2902



88.6035, 0.3203, 0.2888

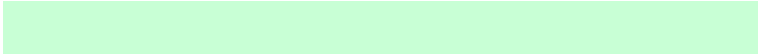


88.6035, 0.3776, 0.3635



# Rectangle

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



88.6035, 0.3027, 0.3747



88.6035, 0.2599, 0.3260



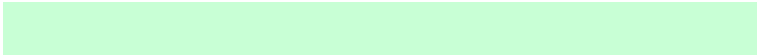
88.6035, 0.3203, 0.2888



88.6035, 0.3682, 0.3281

# Sweetspot

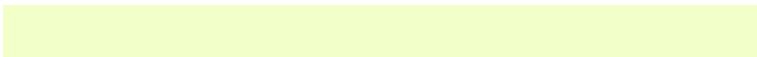
The Sweet Spot groups the original color and five complimentary colors.



88.5956, 0.3027, 0.3747



96.4839, 0.3099, 0.3405



94.5916, 0.3369, 0.3846



20.5731, 0.3096, 0.3418



0.0000, 0.0000, 0.0000

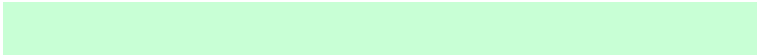


21.4041, 0.3127, 0.3290

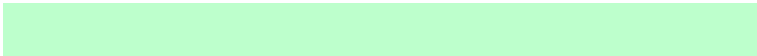


# Same Dimension

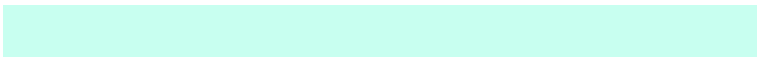
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5956, 0.3027, 0.3747



86.6810, 0.3007, 0.3855



90.1013, 0.2881, 0.3445



20.2388, 0.3083, 0.3476



37.5632, 0.2927, 0.5736



3.6735, 0.2869, 0.5528



# Inverse Universe

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



68.9477, 0.3246, 0.2873



63.7740, 0.3275, 0.2785



67.4278, 0.3452, 0.3141



18.2223, 0.3175, 0.3110



13.1799, 0.3920, 0.1933

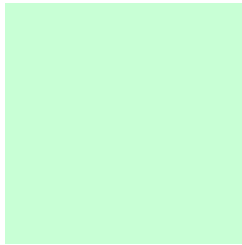


1.3002, 0.3821, 0.1879



# Previews

## White Background



This preview shows how the Yxy color 88.6035, 0.3027, 0.3747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

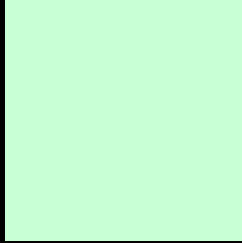
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6035, 0.3027, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

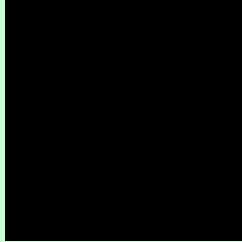
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

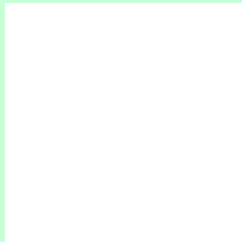
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6035, 0.3027, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6035, 0.3027, 0.3747.

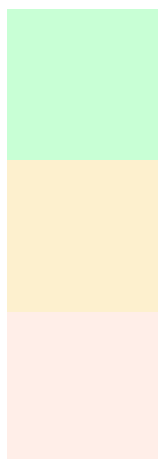


This preview shows how white text looks on a background with the Yxy color 88.6035, 0.3027, 0.3747.

# 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

88.6035, 0.3027, 0.3747

### Protanopia

87.6591, 0.3430, 0.3631

### Deuteranopia

88.2353, 0.3279, 0.3349



## Tritanopia

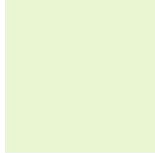
88.0901, 0.2950, 0.3178

# Trichromacy



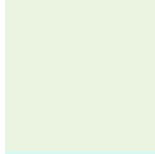
## Original Color

88.6035, 0.3027, 0.3747



## Protanomaly

87.4007, 0.3273, 0.3664



## Deuteranomaly

87.7998, 0.3183, 0.3485



## Tritanomaly

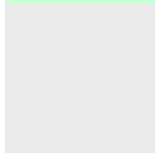
88.1778, 0.2980, 0.3373

# Monochromacy



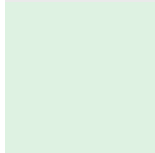
## Original Color

88.6035, 0.3027, 0.3747



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.5248, 0.3093, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6035, 0.3027, 0.3747 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(200, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 213)  
}
```

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(200, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6035, 0.3027, 0.3747 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(200, 255, 213) }
```

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

```
.border{ border-color:rgb(200, 255, 213) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6035, 0.3027, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 213) }
```

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

```
.background{ background-color: rgb(200,  
255, 213) }
```

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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