

# Converting Colors

$Yxy(88.8730, 0.3062, 0.3778)$

Have a look what the booklet for  
Yxy(88.8730, 0.3062, 0.3778)  
contains.

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# Color

**Yxy(88.8697, 0.3062, 0.3778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFFD2
RGB	203, 255, 210
RGB Percent	80%, 100%, 82%
CMY	0.2038, 0.0000, 0.1764
CMYK	0.20, 0.00, 0.18, 0.00
HSL	128°, 100%, 90%
HSV	128°, 20%, 100%
XYZ	72.0273, 88.8697, 74.3325
YIQ	234.3220, -16.5470, -25.0190

# Conversions

## Conversions Part 2

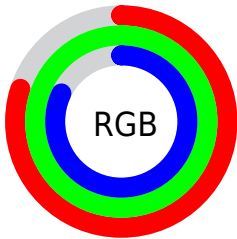
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 249, 255
Decimal	13369298
CIE <sub>Lab</sub>	95.53, -24.86, 16.18
CIE <sub>LCh</sub>	96, 29.666, 146.944
Yxy	88.8697, 0.3062, 0.3778
Android (android.graphics.Color)	4291559378 (0xFFCBBFFD2)
YUV	234.3220, -11.9907, -27.4694
Hunter-Lab	94.2707, -28.5914, 19.2393

# Details

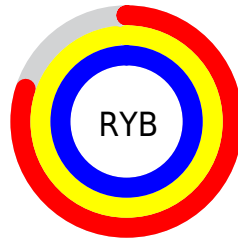
The Yxy color **88.8697, 0.3062, 0.3778** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7638, 0.3200, 0.2846**, and the grayscale version is **82.6443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0506, 0.3046, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **84.5566, 0.3030, 0.4062**, and if you desaturate by 10%, it is **93.9309, 0.3094, 0.3523**.

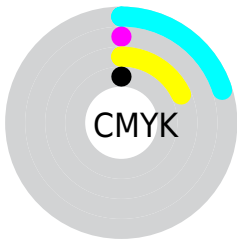
# Distribution



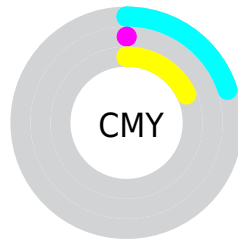
- Red (80%)
- Green (100%)
- Blue (82%)



- Red (80%)
- Yellow (98%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8697, 0.3062, 0.3778 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 88.8697, 0.3062, 0.3778 by changing the saturation by 10% instead.




 88.8697, 0.3062,  
0.3778

 88.8697, 0.3062,  
0.3778

524.3471, 0.3095,  
0.3553

 67.0436, 0.3054,  
0.3829


145.7674, 0.3074,  
0.3700

 49.1200, 0.3044,  
0.3893


181.6077, 0.3078,  
0.3669

 34.7147, 0.3030,  
0.3973


222.8882, 0.3082,  
0.3643

 23.4432, 0.3011,  
0.4077

269.9932, 0.3085,  
0.3620

 14.9211, 0.2985,  
0.4219

323.3073, 0.3088,  
0.3600

 8.7640, 0.2944,  
0.4422

383.2147, 0.3091,

 4.5876, 0.2874,

0.3583

0.4736

450.0998, 0.3093,  
0.3567

■ 2.0074, 0.2747,  
0.5299

■ 0.6118, 0.0000,  
1.0000

■ 88.8697, 0.3062,  
0.3778

■ 88.8697, 0.3062,  
0.3778

■ 84.5566, 0.3030,  
0.4062

■ 93.9309, 0.3094,  
0.3523

■ 80.9455, 0.3001,  
0.4370

99.7616, 0.3126,  
0.3298

■ 78.0022, 0.2976,  
0.4693

99.9995, 0.3127,  
0.3290

■ 75.6856, 0.2958,  
0.5016

■ 73.9496, 0.2948,  
0.5320

■ 72.7420, 0.2949,  
0.5582

■ 72.0007, 0.2960,  
0.5784

■ 71.6364, 0.2976,  
0.5913

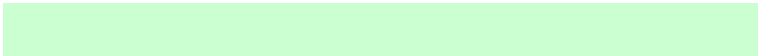
# Harmonies

## Analogous

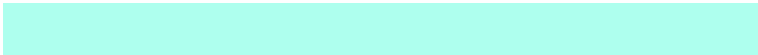
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8697, 0.3395, 0.3889



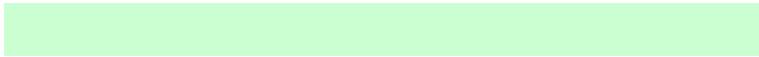
88.8697, 0.3062, 0.3778



88.8697, 0.2758, 0.3512

# Triad

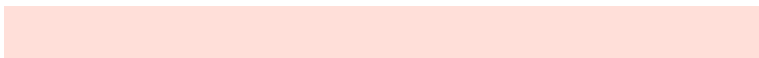
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8697, 0.3062, 0.3778



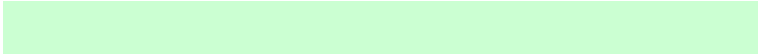
88.8697, 0.2604, 0.2766



88.8697, 0.3730, 0.3342

# Complementary

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



88.8697, 0.3062, 0.3778



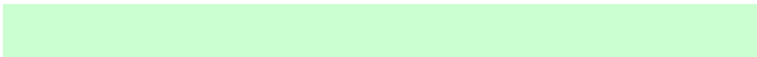
70.7638, 0.3200, 0.2846

# 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.



88.8697, 0.3496, 0.3074



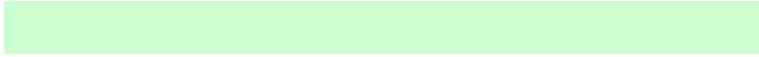
88.8697, 0.3062, 0.3778



88.8697, 0.2840, 0.2751

# Square

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



88.8697, 0.3062, 0.3778



88.8697, 0.2504, 0.2919



88.8697, 0.3165, 0.2863

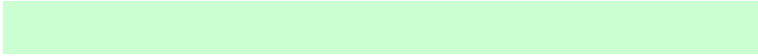


88.8697, 0.3792, 0.3612



# Rectangle

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



88.8697, 0.3062, 0.3778



88.8697, 0.2610, 0.3296



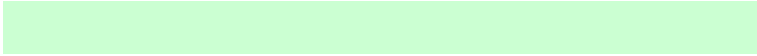
88.8697, 0.3165, 0.2863



88.8697, 0.3668, 0.3249

# Sweetspot

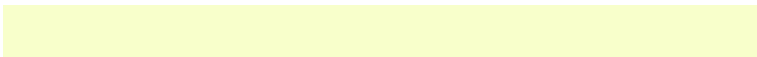
The Sweet Spot groups the original color and five complimentary colors.



88.8735, 0.3062, 0.3778



96.3888, 0.3108, 0.3421



95.8019, 0.3390, 0.3808



20.5507, 0.3106, 0.3436



0.0000, 0.0000, 0.0000

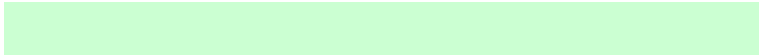


21.4041, 0.3127, 0.3290

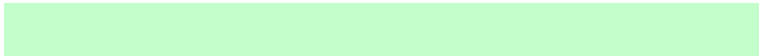


# Same Dimension

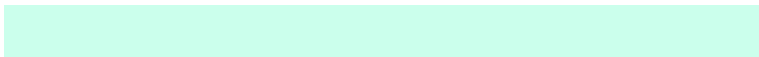
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8735, 0.3062, 0.3778



87.2279, 0.3050, 0.3878



90.2729, 0.2921, 0.3491



20.2079, 0.3097, 0.3502



37.4439, 0.2971, 0.5896



3.6574, 0.2926, 0.5735



# Inverse Universe

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



70.7638, 0.3200, 0.2846



66.4566, 0.3215, 0.2766



69.2636, 0.3390, 0.3098



18.2559, 0.3159, 0.3087



13.8463, 0.3581, 0.1746

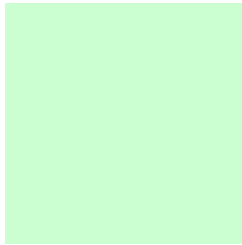


1.3593, 0.3532, 0.1719



# Previews

## White Background



This preview shows how the Yxy color 88.8697, 0.3062, 0.3778 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 88.8697, 0.3062, 0.3778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

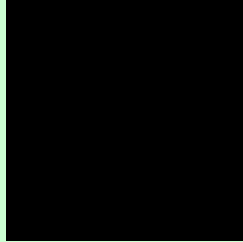
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

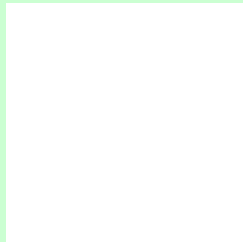
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8697, 0.3062, 0.3778**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8697, 0.3062, 0.3778.

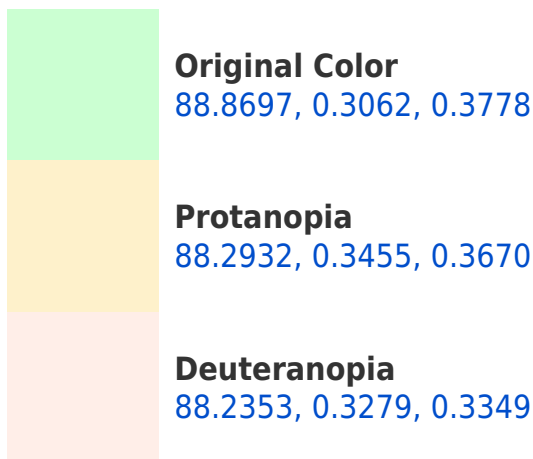


This preview shows how white text looks on a background with the Yxy color 88.8697, 0.3062, 0.3778.

# 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





## Tritanopia

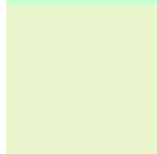
88.2523, 0.2956, 0.3179

# Trichromacy



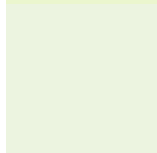
## Original Color

88.8697, 0.3062, 0.3778



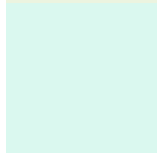
## Protanomaly

88.0299, 0.3297, 0.3704



## Deuteranomaly

87.9161, 0.3196, 0.3495



## Tritanomaly

88.2722, 0.2992, 0.3383

# Monochromacy



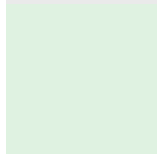
## Original Color

88.8697, 0.3062, 0.3778



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.6285, 0.3106, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8697, 0.3062, 0.3778 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(203, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 210)  
}
```

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(203, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8697, 0.3062, 0.3778 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(203, 255, 210) }
```

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

```
.border{ border-color:rgb(203, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8697, 0.3062, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 210) }
```

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

```
.background{ background-color: rgb(203,  
255, 210) }
```

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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