

# Converting Colors

$Yxy(88.1169, 0.2925, 0.3632)$

Have a look what the booklet for  
Yxy(88.1169, 0.2925, 0.3632)  
contains.

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# Color

**Yxy(88.1083, 0.2922, 0.3628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FFE0
RGB	192, 255, 224
RGB Percent	75%, 100%, 88%
CMY	0.2468, 0.0000, 0.1216
CMYK	0.25, 0.00, 0.12, 0.00
HSL	150°, 100%, 88%
HSV	150°, 25%, 100%
XYZ	70.9626, 88.1083, 83.7855
YIQ	232.6290, -27.5970, -22.9970

# Conversions

## Conversions Part 2

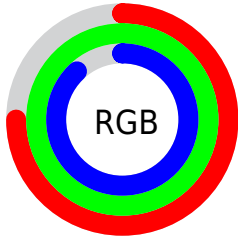
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 234, 255
Decimal	12648416
CIELab	95.21, -25.74, 8.46
CIELCh	95, 27.100, 161.805
Yxy	88.1083, 0.2922, 0.3628
Android (android.graphics.Color)	4290838496 (0xFFC0FFE0)
YUV	232.6290, -4.2541, -35.6316
Hunter-Lab	93.8660, -29.3197, 12.7836

# Details

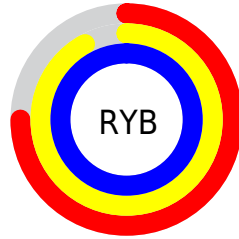
The Yxy color **88.1083, 0.2922, 0.3628** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3134, 0.3397, 0.2976**, and the grayscale version is **81.2501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.5711, 0.2872, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **84.4090, 0.2848, 0.3790**, and if you desaturate by 10%, it is **92.4419, 0.3003, 0.3480**.

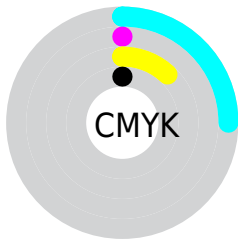
# Distribution



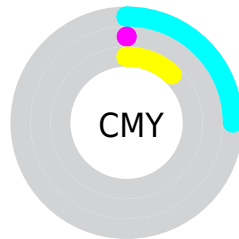
- Red (75%)
- Green (100%)
- Blue (88%)



- Red (75%)
- Yellow (92%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1083, 0.2922, 0.3628 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 88.1083, 0.2922, 0.3628 by changing the saturation by 10% instead.




 88.1083, 0.2922,  
0.3628

 88.1083, 0.2922,  
0.3628


521.8578, 0.3016,  
0.3473

 66.4128, 0.2901,  
0.3663


 144.7079, 0.2954,  
0.3574

 48.6076, 0.2875,  
0.3706


180.3808, 0.2967,  
0.3554

 34.3083, 0.2843,  
0.3761


221.4816, 0.2978,  
0.3536

 23.1305, 0.2800,  
0.3832

268.3947, 0.2987,  
0.3520

 14.6899, 0.2744,  
0.3928

321.5044, 0.2996,  
0.3506

 8.6020, 0.2663,  
0.4065

381.1953, 0.3003,

 4.4825, 0.2541,

0.3494

0.4276

447.8516, 0.3010,  
0.3483

■ 1.9470, 0.2333,  
0.4642

■ 0.5764, 0.0000,  
0.9412

■ 88.1083, 0.2922,  
0.3628

■ 88.1083, 0.2922,  
0.3628

■ 84.4090, 0.2848,  
0.3790

■ 92.4419, 0.3003,  
0.3480


■ 81.3022, 0.2783,  
0.3966


■ 97.4276, 0.3087,  
0.3347


■ 78.7582, 0.2731,  
0.4152


99.9964, 0.3127,  
0.3290

■ 76.7399, 0.2696,  
0.4346

 75.2059, 0.2679,  
0.4543

 74.1077, 0.2684,  
0.4736

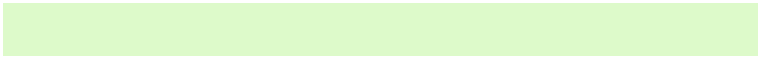
 73.3865, 0.2708,  
0.4921

 73.1125, 0.2726,  
0.5015

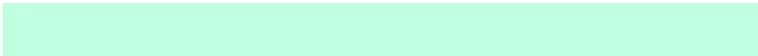
# Harmonies

## Analogous

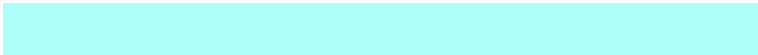
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1083, 0.3225, 0.3807



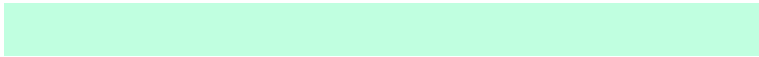
88.1083, 0.2922, 0.3628



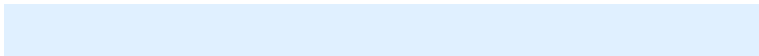
88.1083, 0.2682, 0.3348

# Triad

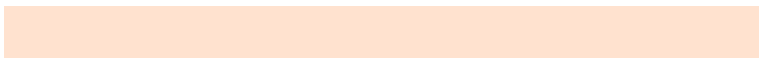
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.1083, 0.2922, 0.3628



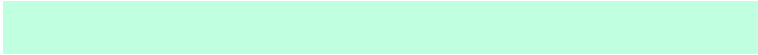
88.1083, 0.2740, 0.2786



88.1083, 0.3729, 0.3466

# Complementary

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



88.1083, 0.2922, 0.3628



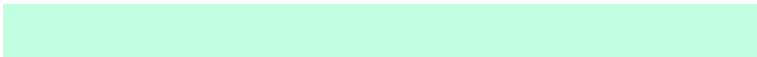
64.3134, 0.3397, 0.2976

# 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.



88.1083, 0.3587, 0.3211



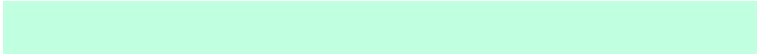
88.1083, 0.2922, 0.3628



88.1083, 0.3006, 0.2831

# Square

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



88.1083, 0.2922, 0.3628



88.1083, 0.2582, 0.2865



88.1083, 0.3318, 0.2984

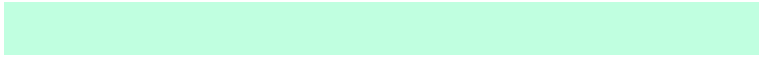


88.1083, 0.3699, 0.3693



# Rectangle

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



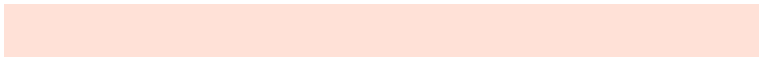
88.1083, 0.2922, 0.3628



88.1083, 0.2586, 0.3154



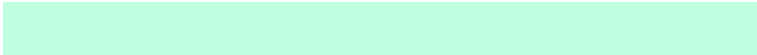
88.1083, 0.3318, 0.2984



88.1083, 0.3700, 0.3381

# Sweetspot

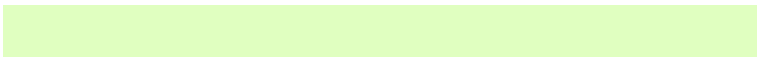
The Sweet Spot groups the original color and five complimentary colors.



88.1120, 0.2922, 0.3628



96.2170, 0.3067, 0.3377



91.0962, 0.3292, 0.3953



20.5279, 0.3062, 0.3385



0.0000, 0.0000, 0.0000

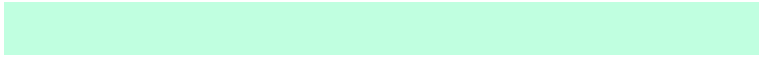


21.4041, 0.3127, 0.3290

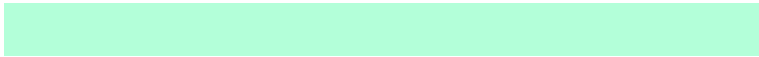


# Same Dimension

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



88.1120, 0.2922, 0.3628



86.0710, 0.2881, 0.3713



89.9498, 0.2763, 0.3289



20.3220, 0.3046, 0.3409



38.2350, 0.2718, 0.4986



3.7449, 0.2661, 0.4780



# Inverse Universe

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



64.3134, 0.3397, 0.2976



58.2670, 0.3473, 0.2905



62.7911, 0.3650, 0.3292



18.1362, 0.3217, 0.3174



11.9203, 0.4996, 0.2526

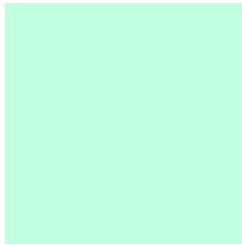


1.1827, 0.4738, 0.2384



# Previews

## White Background



This preview shows how the Yxy color 88.1083, 0.2922, 0.3628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

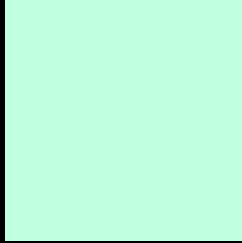
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1083, 0.2922, 0.3628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

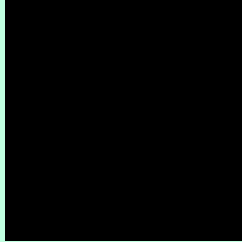
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

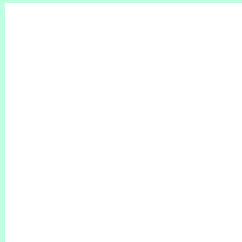
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.1083, 0.2922, 0.3628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.1083, 0.2922, 0.3628.

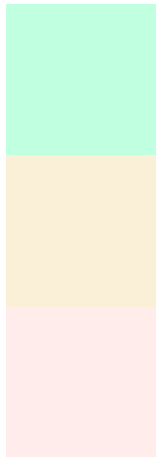


This preview shows how white text looks on a background with the Yxy color 88.1083, 0.2922, 0.3628.

# 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

88.1083, 0.2922, 0.3628

### Protanopia

87.6020, 0.3345, 0.3531

### Deuteranopia

87.2491, 0.3262, 0.3300



## **Tritanopia**

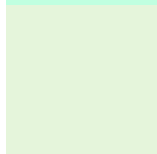
88.0544, 0.2926, 0.3188

# Trichromacy



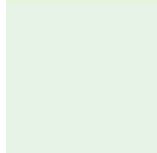
## Original Color

88.1083, 0.2922, 0.3628



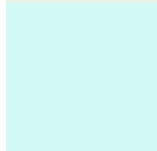
## Protanomaly

87.0773, 0.3179, 0.3561



## Deuteranomaly

87.0265, 0.3128, 0.3413



## Tritanomaly

88.1319, 0.2922, 0.3342

# Monochromacy



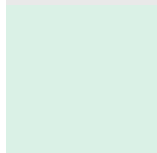
## Original Color

88.1083, 0.2922, 0.3628



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.5292, 0.3044, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1083, 0.2922, 0.3628 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(192, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 224)  
}
```

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(192, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1083, 0.2922, 0.3628 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(192, 255, 224) }
```

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

```
.border{ border-color:rgb(192, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1083, 0.2922, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 224) }
```

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

```
.background{ background-color: rgb(192,  
255, 224) }
```

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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