

# Converting Colors

$Yxy(84.0704, 0.2879, 0.3289)$

Have a look what the booklet for  
Yxy(84.0704, 0.2879, 0.3289)  
contains.

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# Color

**Yxy(84.0704, 0.2879, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF4F4
RGB	204, 244, 244
RGB Percent	80%, 96%, 96%
CMY	0.1999, 0.0432, 0.0431
CMYK	0.16, 0.00, 0.00, 0.04
HSL	180°, 65%, 88%
HSV	180°, 16%, 96%
XYZ	73.5904, 84.0704, 97.9501
YIQ	232.0400, -23.8400, -8.4800

# Conversions

## Conversions Part 2

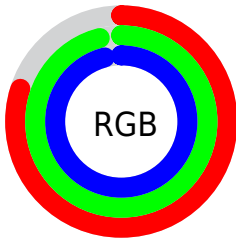
Format	Color
<b>RYB</b>	204, 224, 244
Decimal	13432052
CIELab	93.48, -12.78, -4.31
CIELCh	93, 13.483, 198.634
Yxy	84.0704, 0.2879, 0.3289
Android (android.graphics.Color)	4291622132 (0xFFCCCF4F4)
YUV	232.0400, 5.8963, -24.5911
Hunter-Lab	91.6899, -17.1932, 0.8449

# Details

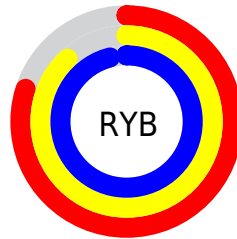
The Yxy color **84.0704, 0.2879, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8111, 0.3440, 0.3291**, and the grayscale version is **80.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9868, 0.2822, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **80.8824, 0.2741, 0.3288**, and if you desaturate by 10%, it is **87.8055, 0.3028, 0.3290**.

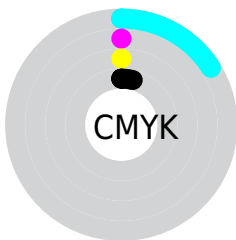
# Distribution



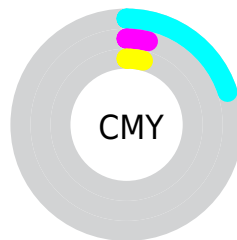
- Red (80%)
- Green (96%)
- Blue (96%)



- Red (80%)
- Yellow (88%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0704, 0.2879, 0.3289 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 84.0704, 0.2879, 0.3289 by changing the saturation by 10% instead.



84.0704, 0.2879,  
0.3289

84.0704, 0.2879,  
0.3289

508.5470, 0.2990,  
0.3291

63.0736, 0.2854,  
0.3288

139.0737, 0.2917,  
0.3290

45.9007, 0.2824,  
0.3288

173.8489, 0.2932,  
0.3290

32.1675, 0.2787,  
0.3286

213.9856, 0.2945,  
0.3290

21.4895, 0.2739,  
0.3285

259.8684, 0.2956,  
0.3290

13.4822, 0.2676,  
0.3282

311.8815, 0.2966,  
0.3290

7.7615, 0.2587,  
0.3277

370.4094, 0.2975,

3.9427, 0.2457,

0.3290

435.8364, 0.2983,  
0.3291

0.3267

1.6416, 0.2245,  
0.3245

0.3854, 0.0469,  
0.3321

84.0704, 0.2879,  
0.3289

84.0704, 0.2879,  
0.3289

80.8824, 0.2741,  
0.3288

87.8055, 0.3028,  
0.3290

78.2061, 0.2616,  
0.3288

92.1008, 0.3184,  
0.3290

76.0179, 0.2508,  
0.3287

92.5169, 0.3199,  
0.3290

74.2882, 0.2418,  
0.3287


92.5254, 0.3199,  
0.3291

 72.9843, 0.2348,  
0.3287


 92.5338, 0.3199,  
0.3291


 72.0692, 0.2297,  
0.3286


 92.5423, 0.3199,  
0.3291

 71.4995, 0.2265,  
0.3286

 92.5507, 0.3199,  
0.3291

 71.2209, 0.2249,  
0.3286

 92.5592, 0.3198,  
0.3291

 71.1609, 0.2246,  
0.3286

 92.5676, 0.3198,  
0.3291

# Harmonies

## Analogous

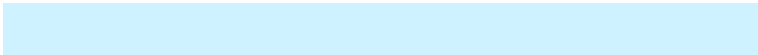
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0704, 0.2993, 0.3429



84.0704, 0.2879, 0.3289



84.0704, 0.2831, 0.3153

# Triad

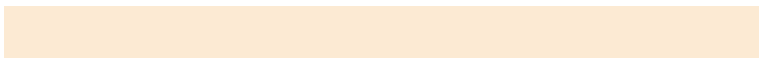
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0704, 0.2879, 0.3289



84.0704, 0.3104, 0.3064



84.0704, 0.3401, 0.3518

# Complementary

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



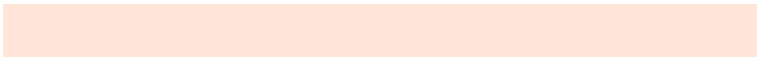
84.0704, 0.2879, 0.3289



66.8111, 0.3440, 0.3291

# 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.



84.0704, 0.3433, 0.3415



84.0704, 0.2879, 0.3289



84.0704, 0.3259, 0.3157

# Square

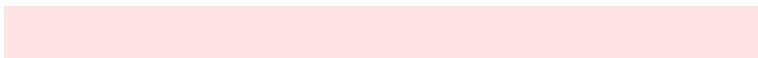
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0704, 0.2879, 0.3289



84.0704, 0.2958, 0.3029



84.0704, 0.3381, 0.3283



84.0704, 0.3294, 0.3562

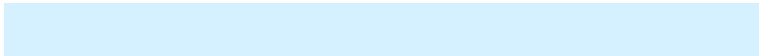


# Rectangle

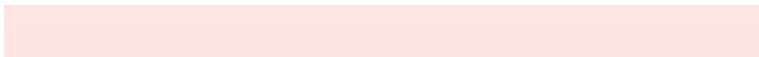
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



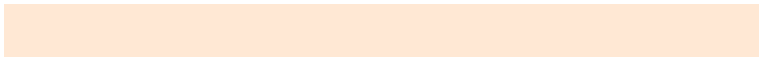
84.0704, 0.2879, 0.3289



84.0704, 0.2841, 0.3085



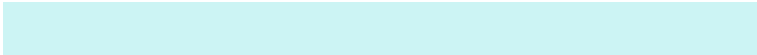
84.0704, 0.3381, 0.3283



84.0704, 0.3421, 0.3489

# Sweetspot

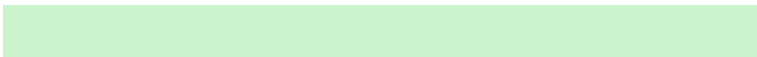
The Sweet Spot groups the original color and five complimentary colors.



84.0739, 0.2879, 0.3289



97.6568, 0.3049, 0.3290



81.9162, 0.3106, 0.3733



20.8348, 0.3038, 0.3290



0.0000, 0.0000, 0.0000

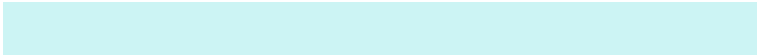


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.0739, 0.2879, 0.3289



91.5587, 0.2827, 0.3289



72.7008, 0.2869, 0.3072



18.7561, 0.2981, 0.3289



38.6875, 0.2246, 0.3286



3.4008, 0.2246, 0.3286



# Inverse Universe

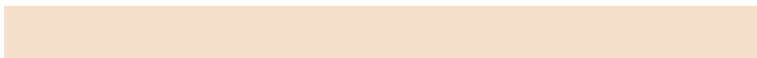
The Inverse Universe completely reimagines the original color for something new.



68.9702, 0.3146, 0.2884



71.6638, 0.3151, 0.2792



76.9235, 0.3406, 0.3499



16.7682, 0.3138, 0.3057



14.0049, 0.3211, 0.1542



1.2309, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 84.0704, 0.2879, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

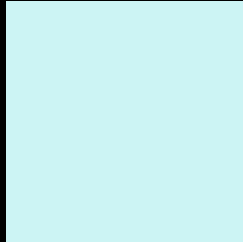
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0704, 0.2879, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

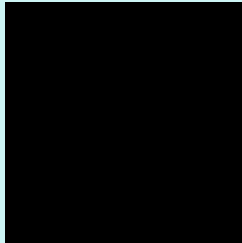
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.0704, 0.2879, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0704, 0.2879, 0.3289.

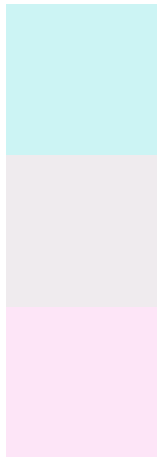


This preview shows how white text looks on a background with the Yxy color 84.0704, 0.2879, 0.3289.

# 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

84.0704, 0.2879, 0.3289

### Protanopia

83.9404, 0.3135, 0.3260

### Deuteranopia

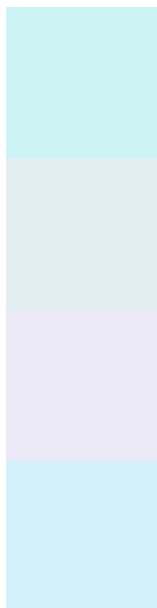
83.6367, 0.3176, 0.3114



## Tritanopia

83.8363, 0.2876, 0.3134

# Trichromacy



## Original Color

84.0704, 0.2879, 0.3289

## Protanomaly

83.6091, 0.3037, 0.3269

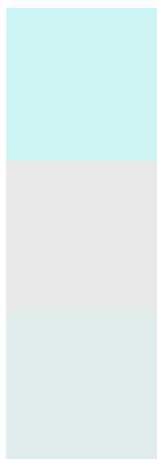
## Deuteranomaly

83.1616, 0.3060, 0.3168

## Tritanomaly

83.5773, 0.2875, 0.3185

# Monochromacy



## Original Color

84.0704, 0.2879, 0.3289

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.5766, 0.3035, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0704, 0.2879, 0.3289 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(204, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(204, 244, 244)  
}
```

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(204, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 244, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0704, 0.2879, 0.3289 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(204, 244, 244) }
```

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

```
.border{ border-color:rgb(204, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(204, 244,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0704, 0.2879, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 244, 244) }
```

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

```
.background{ background-color: rgb(204,  
244, 244) }
```

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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