

# Converting Colors

$Yxy(84.7383, 0.2874, 0.3289)$

Have a look what the booklet for  
Yxy(84.7383, 0.2874, 0.3289)  
contains.

<b>Yxy(84.7348, 0.2874, 0.3289)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.7348, 0.2874, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF5F5
RGB	204, 245, 245
RGB Percent	80%, 96%, 96%
CMY	0.1999, 0.0392, 0.0391
CMYK	0.17, 0.00, 0.00, 0.04
HSL	180°, 67%, 88%
HSV	180°, 17%, 96%
XYZ	74.0431, 84.7348, 98.8530
YIQ	232.7410, -24.4360, -8.6920

# Conversions

## Conversions Part 2

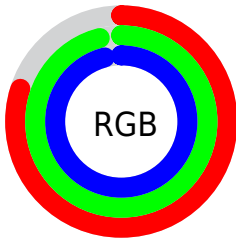
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 225, 245
Decimal	13432309
CIE <sub>Lab</sub>	93.77, -13.08, -4.40
CIE <sub>LCh</sub>	94, 13.798, 198.611
Yxy	84.7348, 0.2874, 0.3289
Android (android.graphics.Color)	4291622389 (0xFFCCCF5F5)
YUV	232.7410, 6.0437, -25.2059
Hunter-Lab	92.0515, -17.5108, 0.7653

# Details

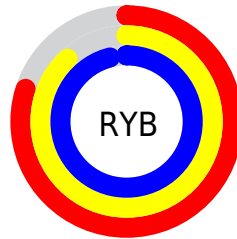
The Yxy color **84.7348, 0.2874, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9865, 0.3448, 0.3291**, and the grayscale version is **81.2545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4589, 0.2816, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **81.5356, 0.2736, 0.3288**, and if you desaturate by 10%, it is **88.4856, 0.3023, 0.3290**.

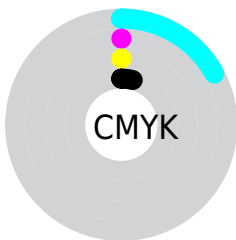
# Distribution



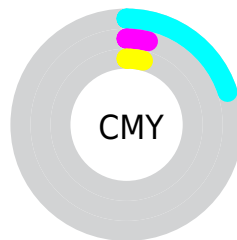
- Red (80%)
- Green (96%)
- Blue (96%)



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



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7348, 0.2874, 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 84.7348, 0.2874, 0.3289 by changing the saturation by 10% instead.



84.7348, 0.2874,  
0.3289

84.7348, 0.2874,  
0.3289

510.7501, 0.2987,  
0.3291

63.6223, 0.2849,  
0.3288

140.0026, 0.2913,  
0.3290

46.3448, 0.2819,  
0.3288

174.9266, 0.2928,  
0.3290

32.5180, 0.2781,  
0.3286

215.2233, 0.2941,  
0.3290

21.7575, 0.2732,  
0.3284

261.2771, 0.2953,  
0.3290

13.6788, 0.2668,  
0.3281

313.4722, 0.2963,  
0.3290

7.8976, 0.2579,  
0.3276

372.1932, 0.2972,

4.0295, 0.2447,

0.3290

437.8243, 0.2980,  
0.3291

0.3266

1.6901, 0.2234,  
0.3244

0.4172, 0.0615,  
0.3320

84.7348, 0.2874,  
0.3289

84.7348, 0.2874,  
0.3289

81.5356, 0.2736,  
0.3288

88.4856, 0.3023,  
0.3290

78.8522, 0.2612,  
0.3288


92.8013, 0.3179,  
0.3290


76.6607, 0.2505,  
0.3287

93.1804, 0.3192,  
0.3290

74.9310, 0.2416,  
0.3287

93.1883, 0.3192,  
0.3290


 73.6301, 0.2346,  
0.3287


 93.1961, 0.3192,  
0.3291


 72.7202, 0.2296,  
0.3286


 93.2039, 0.3192,  
0.3291


 72.1574, 0.2264,  
0.3286

 93.2118, 0.3192,  
0.3291

 71.8859, 0.2249,  
0.3286

 93.2196, 0.3192,  
0.3291

 71.8316, 0.2246,  
0.3286

 93.2275, 0.3192,  
0.3291

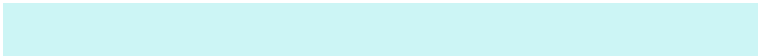
# Harmonies

## Analogous

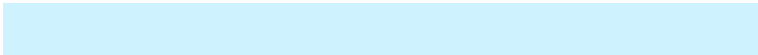
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7348, 0.2990, 0.3432



84.7348, 0.2874, 0.3289



84.7348, 0.2825, 0.3151

# Triad

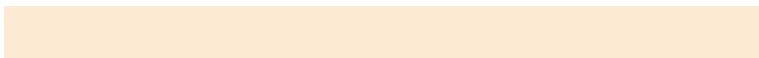
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7348, 0.2874, 0.3289



84.7348, 0.3103, 0.3060



84.7348, 0.3407, 0.3523

# Complementary

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



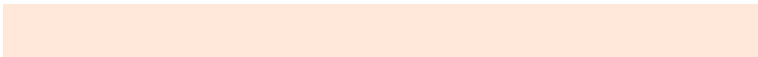
84.7348, 0.2874, 0.3289



66.9865, 0.3448, 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.



84.7348, 0.3440, 0.3417



84.7348, 0.2874, 0.3289



84.7348, 0.3262, 0.3154

# Square

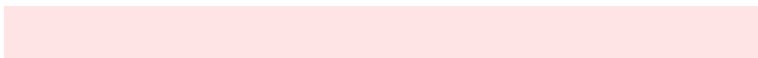
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7348, 0.2874, 0.3289



84.7348, 0.2954, 0.3023



84.7348, 0.3386, 0.3283

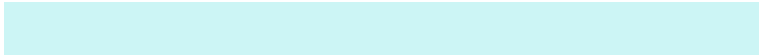


84.7348, 0.3298, 0.3568

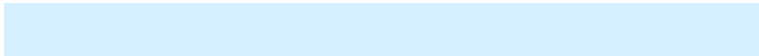


# Rectangle

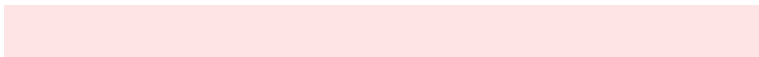
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



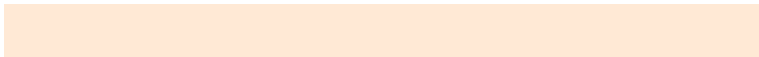
84.7348, 0.2874, 0.3289



84.7348, 0.2835, 0.3080



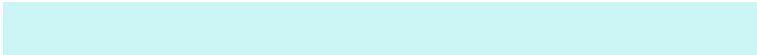
84.7348, 0.3386, 0.3283



84.7348, 0.3427, 0.3493

# Sweetspot

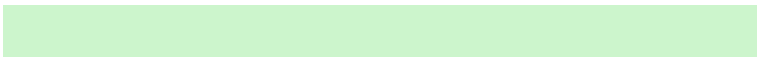
The Sweet Spot groups the original color and five complimentary colors.



84.7383, 0.2874, 0.3289



97.6572, 0.3049, 0.3290



82.5187, 0.3106, 0.3743



20.8349, 0.3038, 0.3290



0.0000, 0.0000, 0.0000

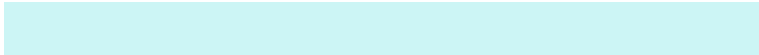


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.7383, 0.2874, 0.3289



91.5602, 0.2827, 0.3289



73.0284, 0.2864, 0.3067



18.7563, 0.2981, 0.3289



38.6911, 0.2246, 0.3286



3.4011, 0.2246, 0.3286



# Inverse Universe

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



69.2076, 0.3147, 0.2875



71.6640, 0.3151, 0.2792



77.3702, 0.3413, 0.3503



16.7682, 0.3138, 0.3057



14.0053, 0.3211, 0.1542

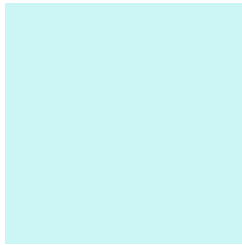


1.2310, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 84.7348, 0.2874, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

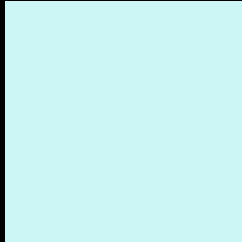
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7348, 0.2874, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

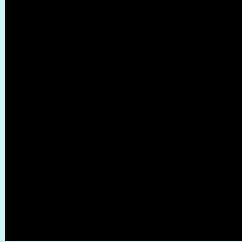
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.7348, 0.2874, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7348, 0.2874, 0.3289.

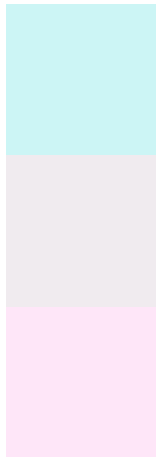


This preview shows how white text looks on a background with the Yxy color 84.7348, 0.2874, 0.3289.

# 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**

84.7348, 0.2874, 0.3289

**Protanopia**

84.1739, 0.3136, 0.3250

**Deuteranopia**

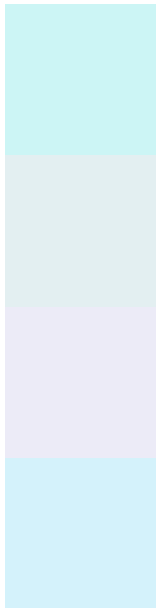
84.4418, 0.3176, 0.3115



## Tritanopia

84.7295, 0.2889, 0.3145

# Trichromacy



**Original Color**

84.7348, 0.2874, 0.3289

**Protanomaly**

84.4148, 0.3037, 0.3269

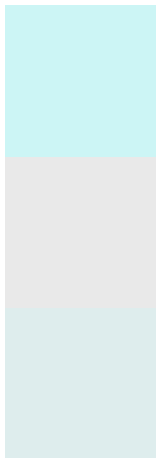
**Deuteranomaly**

83.9649, 0.3060, 0.3169

**Tritanomaly**

84.4663, 0.2887, 0.3195

# Monochromacy



**Original Color**

84.7348, 0.2874, 0.3289

**Achromatopsia**

81.4847, 0.3127, 0.3290

**Achromatomaly**

82.2124, 0.3029, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7348, 0.2874, 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, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(204, 245, 245)  
}
```

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, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 245, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7348, 0.2874, 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, 245, 245) }
```

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

```
.border{ border-color:rgb(204, 245, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(204, 245,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7348, 0.2874, 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, 245, 245) }
```

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

```
.background{ background-color: rgb(204,  
245, 245) }
```

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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