

# Converting Colors

$Yxy(83.2067, 0.2829, 0.3292)$

Have a look what the booklet for  
Yxy(83.2067, 0.2829, 0.3292)  
contains.

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# Color

**Yxy(82.9688, 0.2832, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F4F4
RGB	196, 244, 244
RGB Percent	77%, 96%, 96%
CMY	0.2315, 0.0431, 0.0431
CMYK	0.20, 0.00, 0.00, 0.04
HSL	180°, 69%, 86%
HSV	180°, 20%, 96%
XYZ	71.4405, 82.9688, 97.8522
YIQ	229.6480, -28.6080, -10.1760

# Conversions

## Conversions Part 2

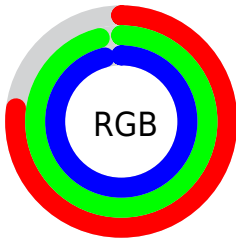
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 220, 244
Decimal	12907764
CIE Lab	93.00, -15.22, -5.07
CIE LCh	93, 16.044, 198.429
Yxy	82.9688, 0.2832, 0.3289
Android (android.graphics.Color)	4291097844 (0xFFC4F4F4)
YUV	229.6480, 7.0755, -29.5093
Hunter-Lab	91.0872, -19.4036, 0.0676

# Details

The Yxy color **82.9688, 0.2832, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6909, 0.3518, 0.3291**, and the grayscale version is **78.8181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **45.2600, 0.2765, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **79.9593, 0.2698, 0.3289**, and if you desaturate by 10%, it is **86.5172, 0.2978, 0.3290**.

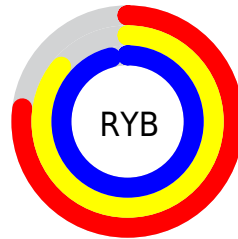
# Distribution



Red (77%)

Green (96%)

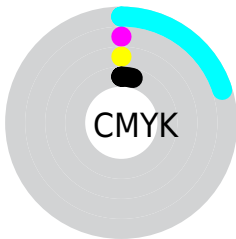
Blue (96%)



Red (77%)

Yellow (86%)

Blue (96%)

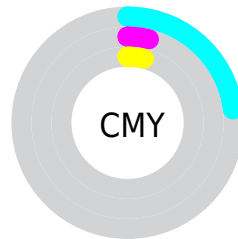


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9688, 0.2832, 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 82.9688, 0.2832, 0.3289 by changing the saturation by 10% instead.




 82.9688, 0.2832,  
0.3289

 82.9688, 0.2832,  
0.3289


504.8825, 0.2964,  
0.3291

 62.1644, 0.2803,  
0.3288


137.5318, 0.2877,  
0.3290

 45.1656, 0.2767,  
0.3287


172.0591, 0.2895,  
0.3290

 31.5879, 0.2722,  
0.3286


211.9296, 0.2910,  
0.3290

 21.0469, 0.2665,  
0.3283

257.5276, 0.2924,  
0.3291

 13.1583, 0.2590,  
0.3279

309.2375, 0.2936,  
0.3291

 7.5376, 0.2485,  
0.3272

367.4437, 0.2946,

 3.8005, 0.2329,

0.3291

432.5306, 0.2956,  
0.3291

0.3258

1.5626, 0.2078,  
0.3227

0.3322, 0.0000,  
0.3168

82.9688, 0.2832,  
0.3289

82.9688, 0.2832,  
0.3289

79.9593, 0.2698,  
0.3289

86.5172, 0.2978,  
0.3290

77.4529, 0.2579,  
0.3288


90.6183, 0.3132,  
0.3290


75.4251, 0.2477,  
0.3288


92.5097, 0.3199,  
0.3290


73.8454, 0.2393,  
0.3287


92.5128, 0.3199,  
0.3290


 72.6798, 0.2329,  
0.3287

 92.5158, 0.3199,  
0.3290

 71.8895, 0.2285,  
0.3287


 92.5188, 0.3199,  
0.3290


 71.4282, 0.2259,  
0.3287

 92.5218, 0.3199,  
0.3290

 71.2214, 0.2247,  
0.3287

 92.5248, 0.3199,  
0.3291

 71.2164, 0.2246,  
0.3287

 92.5279, 0.3199,  
0.3291

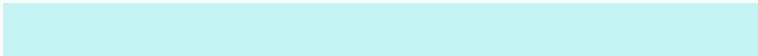
# Harmonies

## Analogous

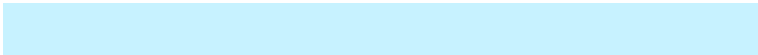
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9688, 0.2968, 0.3458



82.9688, 0.2832, 0.3289



82.9688, 0.2774, 0.3127

# Triad

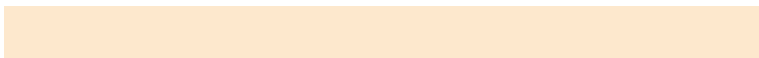
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9688, 0.2832, 0.3289



82.9688, 0.3097, 0.3021



82.9688, 0.3455, 0.3561

# Complementary

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



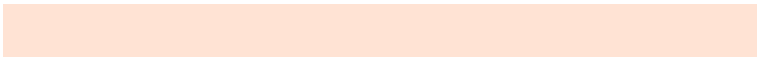
82.9688, 0.2832, 0.3289



62.6909, 0.3518, 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.



82.9688, 0.3494, 0.3437



82.9688, 0.2832, 0.3289



82.9688, 0.3284, 0.3130

# Square

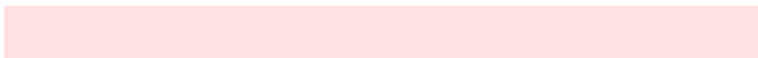
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9688, 0.2832, 0.3289



82.9688, 0.2924, 0.2979



82.9688, 0.3430, 0.3280

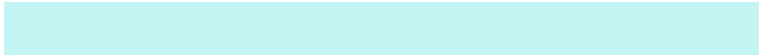


82.9688, 0.3327, 0.3616

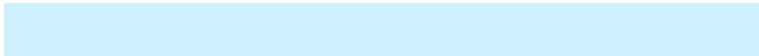


# Rectangle

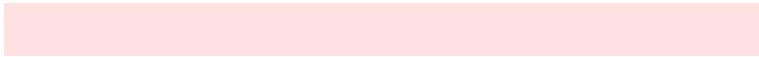
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9688, 0.2832, 0.3289



82.9688, 0.2786, 0.3045



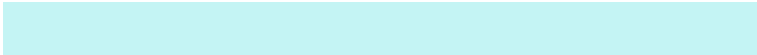
82.9688, 0.3430, 0.3280



82.9688, 0.3479, 0.3526

# Sweetspot

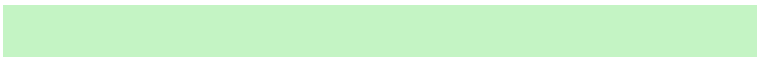
The Sweet Spot groups the original color and five complimentary colors.



82.9722, 0.2832, 0.3289



97.2108, 0.3034, 0.3290



80.4293, 0.3102, 0.3834



20.7451, 0.3024, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

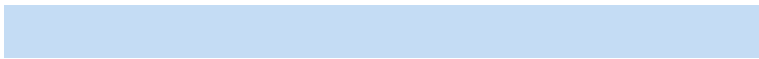
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9722, 0.2832, 0.3289



90.1749, 0.2772, 0.3289



69.4479, 0.2816, 0.3023



18.7572, 0.2981, 0.3290



38.7165, 0.2246, 0.3287



3.4030, 0.2246, 0.3287



# Inverse Universe

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



65.2346, 0.3150, 0.2801



66.9738, 0.3155, 0.2691



74.4043, 0.3470, 0.3543



16.7683, 0.3138, 0.3057



14.0078, 0.3210, 0.1542

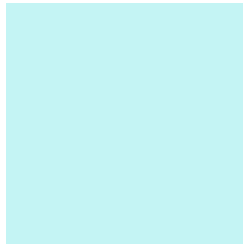


1.2312, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 82.9688, 0.2832, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

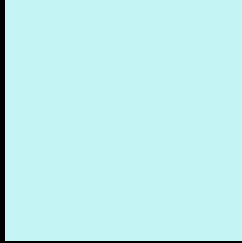
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9688, 0.2832, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

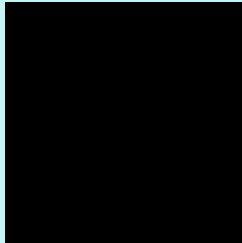
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

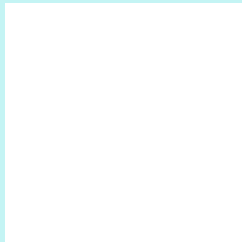
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9688, 0.2832, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9688, 0.2832, 0.3289.

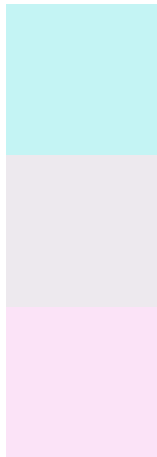


This preview shows how white text looks on a background with the Yxy color 82.9688, 0.2832, 0.3289.

# 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

82.9688, 0.2832, 0.3289

### Protanopia

82.4554, 0.3123, 0.3239

### Deuteranopia

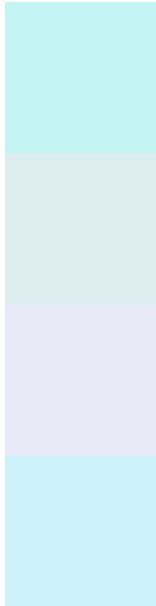
82.1628, 0.3164, 0.3093



## Tritanopia

82.9501, 0.2840, 0.3132

# Trichromacy



**Original Color**

82.9688, 0.2832, 0.3289

**Protanomaly**

82.3892, 0.3011, 0.3258

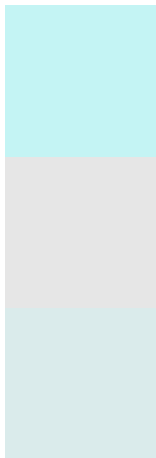
**Deuteranomaly**

81.9206, 0.3034, 0.3157

**Tritanomaly**

82.7130, 0.2839, 0.3183

# Monochromacy



**Original Color**

82.9688, 0.2832, 0.3289

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

80.3202, 0.3015, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9688, 0.2832, 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(196, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 244, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9688, 0.2832, 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(196, 244, 244) }
```

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

```
.border{ border-color:rgb(196, 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(196, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 244, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 244, 244); box-shadow:4px 4px 4px 4px rgb(196, 244, 244) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9688, 0.2832, 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(196, 244, 244) }
```

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

```
.background{ background-color: rgb(196,  
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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