

# Converting Colors

Yxy(81.1658, 0.2832, 0.3168)

Have a look what the booklet for  
Yxy(81.1658, 0.2832, 0.3168)  
contains.

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# Color

**Yxy(81.1917, 0.2832, 0.3172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAEFFA
RGB	202, 239, 250
RGB Percent	79%, 94%, 98%
CMY	0.2076, 0.0628, 0.0197
CMYK	0.19, 0.04, 0.00, 0.02
HSL	194°, 83%, 89%
HSV	194°, 19%, 98%
XYZ	72.4889, 81.1917, 102.2831
YIQ	229.1910, -25.5830, -4.4230

# Conversions

## Conversions Part 2

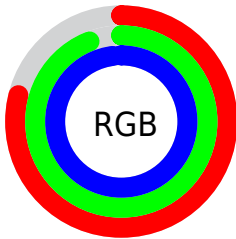
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 223, 250
Decimal	13299706
CIE <sub>Lab</sub>	92.22, -9.63, -9.29
CIE <sub>LCh</sub>	92, 13.383, 223.983
Yxy	81.1917, 0.2832, 0.3172
Android (android.graphics.Color)	4291489786 (0xFFCAE <sub>FFA</sub> )
YUV	229.1910, 10.2588, -23.8465
Hunter-Lab	90.1064, -14.0864, -4.2277

# Details

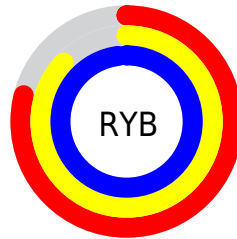
The Yxy color **81.1917, 0.2832, 0.3172** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2061, 0.3485, 0.3405**, and the grayscale version is **78.4486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9651, 0.2762, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **74.6792, 0.2684, 0.3102**, and if you desaturate by 10%, it is **88.3824, 0.2985, 0.3236**.

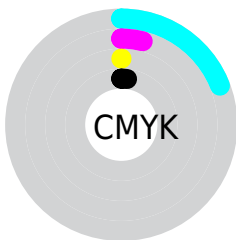
# Distribution



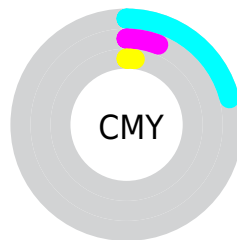
- Red (79%)
- Green (94%)
- Blue (98%)



- Red (79%)
- Yellow (87%)
- Blue (98%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (21%)
- Magenta (6%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1917, 0.2832, 0.3172 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 81.1917, 0.2832, 0.3172 by changing the saturation by 10% instead.



81.1917, 0.2832,  
0.3172

81.1917, 0.2832,  
0.3172

498.9399, 0.2965,  
0.3227

60.6995, 0.2803,  
0.3159

135.0399, 0.2877,  
0.3191

43.9827, 0.2767,  
0.3144

169.1647, 0.2895,  
0.3199

30.6569, 0.2722,  
0.3124

208.6025, 0.2911,  
0.3205

20.3377, 0.2665,  
0.3098

253.7376, 0.2924,  
0.3211

12.6408, 0.2588,  
0.3062

304.9546, 0.2936,  
0.3215

7.1817, 0.2483,  
0.3011

362.6376, 0.2947,

3.5760, 0.2326,

0.3220

0.2932

427.1713, 0.2956,  
0.3224

1.4393, 0.2072,  
0.2792

0.2454, 0.0000,  
0.2111

81.1917, 0.2832,  
0.3172

81.1917, 0.2832,  
0.3172

74.6792, 0.2684,  
0.3102

88.3824, 0.2985,  
0.3236

68.8067, 0.2544,  
0.3027

96.2675, 0.3140,  
0.3295

63.5472, 0.2416,  
0.2948

99.6814, 0.3156,  
0.3338

58.8675, 0.2302,  
0.2865

■ 54.7307, 0.2207,  
0.2780

■ 51.0948, 0.2130,  
0.2694

■ 47.9102, 0.2074,  
0.2608

■ 45.1024, 0.2035,  
0.2524

■ 44.8794, 0.2033,  
0.2517

# Harmonies

## Analogous

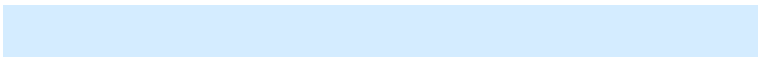
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1917, 0.2892, 0.3312



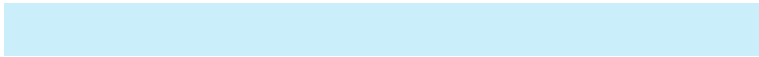
81.1917, 0.2832, 0.3172



81.1917, 0.2849, 0.3069

# Triad

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



81.1917, 0.2832, 0.3172



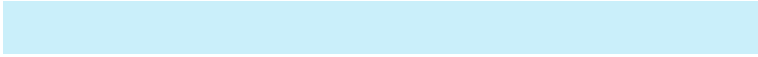
81.1917, 0.3237, 0.3139



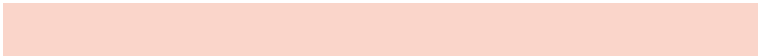
81.1917, 0.3315, 0.3562

# Complementary

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



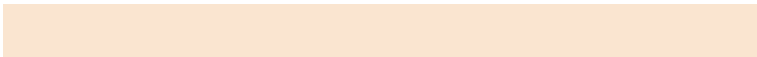
81.1917, 0.2832, 0.3172



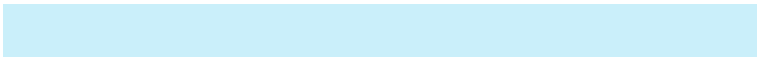
72.2061, 0.3485, 0.3405

# 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.



81.1917, 0.3412, 0.3506



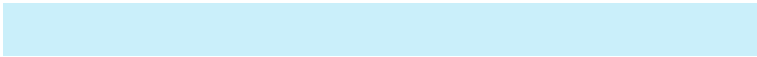
81.1917, 0.2832, 0.3172



81.1917, 0.3367, 0.3262

# Square

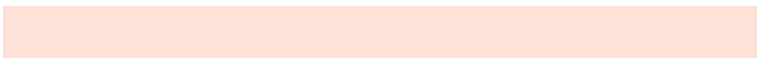
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



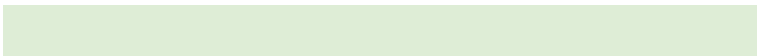
81.1917, 0.2832, 0.3172



81.1917, 0.3079, 0.3054



81.1917, 0.3432, 0.3396

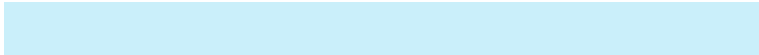


81.1917, 0.3169, 0.3542

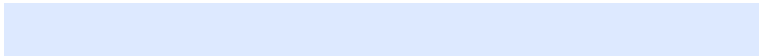


# Rectangle

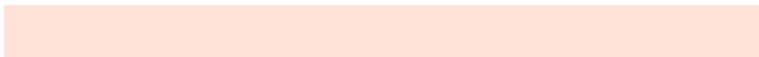
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1917, 0.2832, 0.3172



81.1917, 0.2901, 0.3034



81.1917, 0.3432, 0.3396



81.1917, 0.3355, 0.3551

# Sweetspot

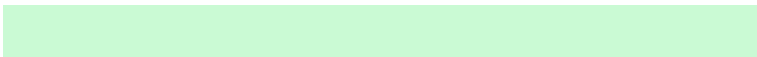
The Sweet Spot groups the original color and five complimentary colors.



81.1950, 0.2832, 0.3172



94.9935, 0.3034, 0.3255



85.7053, 0.3044, 0.3700



20.2193, 0.3024, 0.3251



0.0000, 0.0000, 0.0000

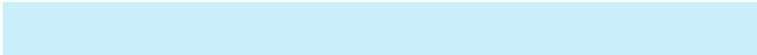


21.4041, 0.3127, 0.3290

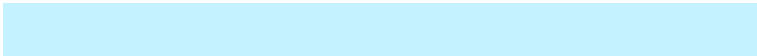


# Same Dimension

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



81.1950, 0.2832, 0.3172



82.2357, 0.2774, 0.3146



68.3939, 0.2817, 0.2915



18.8936, 0.2980, 0.3234



24.0362, 0.2036, 0.2531



2.3848, 0.2065, 0.2632



# Inverse Universe

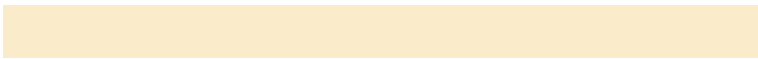
The Inverse Universe completely reimagines the original color for something new.



68.8228, 0.3228, 0.2918



67.2814, 0.3251, 0.2840



84.8159, 0.3441, 0.3639



17.4524, 0.3173, 0.3109



12.8374, 0.3892, 0.1917

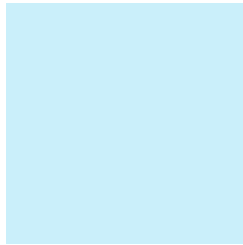


1.2050, 0.3793, 0.1863



# Previews

## White Background



This preview shows how the Yxy color 81.1917, 0.2832, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

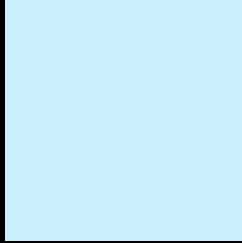
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1917, 0.2832, 0.3172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

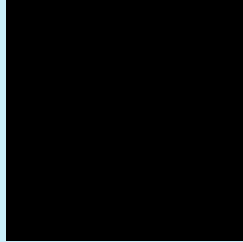
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

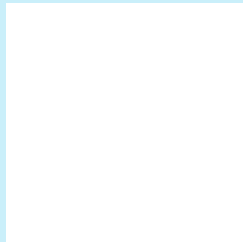
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1917, 0.2832, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1917, 0.2832, 0.3172.

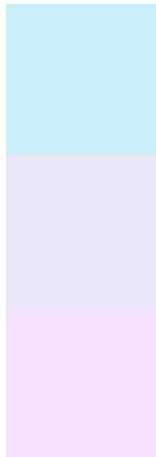


This preview shows how white text looks on a background with the Yxy color 81.1917, 0.2832, 0.3172.

# 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

81.1917, 0.2832, 0.3172

### Protanopia

81.0680, 0.3053, 0.3147

### Deuteranopia

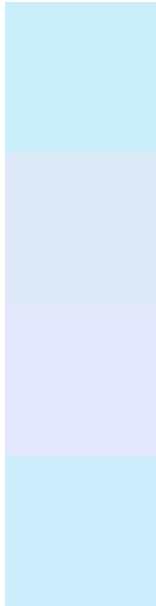
80.8970, 0.3085, 0.3022



## Tritanopia

80.9102, 0.2827, 0.3100

# Trichromacy



**Original Color**

81.1917, 0.2832, 0.3172

**Protanomaly**

81.0906, 0.2970, 0.3155

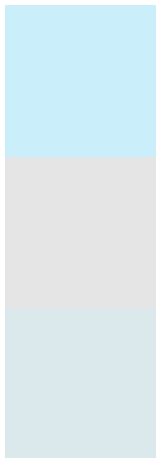
**Deuteranomaly**

80.8381, 0.2985, 0.3075

**Tritanomaly**

81.2201, 0.2832, 0.3131

# Monochromacy



**Original Color**

81.1917, 0.2832, 0.3172

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.4523, 0.3010, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1917, 0.2832, 0.3172 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(202, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 239, 250)  
}
```

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(202, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 239, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1917, 0.2832, 0.3172 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(202, 239, 250) }
```

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

```
.border{ border-color:rgb(202, 239, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 239, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 239, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 239, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 239,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1917, 0.2832, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 239, 250) }
```

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

```
.background{ background-color: rgb(202,  
239, 250) }
```

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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