

# Converting Colors

$Yxy(85.0988, 0.2958, 0.3290)$

Have a look what the booklet for  
Yxy(85.0988, 0.2958, 0.3290)  
contains.

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# Color

**Yxy(85.1712, 0.2956, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F3F3
RGB	216, 243, 243
RGB Percent	85%, 95%, 95%
CMY	0.1533, 0.0469, 0.0471
CMYK	0.11, 0.00, 0.00, 0.05
HSL	180°, 53%, 90%
HSV	180°, 11%, 95%
XYZ	76.5246, 85.1712, 97.1832
YIQ	234.9270, -16.0920, -5.7240

# Conversions

## Conversions Part 2

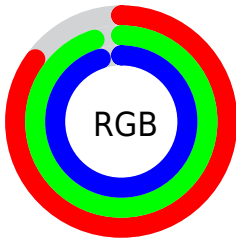
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 230, 243
Decimal	14218227
CIE Lab	93.96, -8.80, -2.98
CIE LCh	94, 9.296, 198.715
Yxy	85.1712, 0.2956, 0.3290
Android (android.graphics.Color)	4292408307 (0xFFD8F3F3)
YUV	234.9270, 3.9800, -16.5990
Hunter-Lab	92.2882, -13.4937, 2.1670

# Details

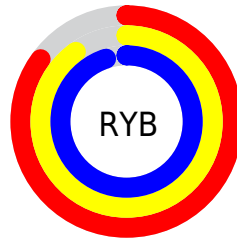
The Yxy color **85.1712, 0.2956, 0.3290** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0824, 0.3327, 0.3290**, and the grayscale version is **82.9883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7056, 0.2918, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **81.7420, 0.2812, 0.3290**, and if you desaturate by 10%, it is **89.1549, 0.3109, 0.3290**.

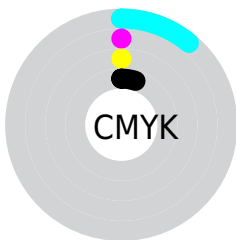
# Distribution



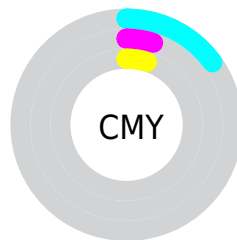
- Red (85%)
- Green (95%)
- Blue (95%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1712, 0.2956, 0.3290 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 85.1712, 0.2956, 0.3290 by changing the saturation by 10% instead.




 85.1712, 0.2956,  
0.3290

 85.1712, 0.2956,  
0.3290

512.1944, 0.3033,  
0.3291

 63.9828, 0.2939,  
0.3290


140.6123, 0.2982,  
0.3290

 46.6368, 0.2918,  
0.3289


175.6339, 0.2992,  
0.3290

 32.7486, 0.2893,  
0.3289

216.0354, 0.3001,  
0.3290

 21.9339, 0.2859,  
0.3288

262.2011, 0.3009,  
0.3290

 13.8084, 0.2816,  
0.3287

314.5154, 0.3016,  
0.3291

 7.9875, 0.2754,  
0.3285

373.3628, 0.3022,

 4.0870, 0.2664,

0.3291

439.1277, 0.3028,  
0.3291

0.3280

1.7223, 0.2515,  
0.3271

0.4380, 0.1520,  
0.3306

85.1712, 0.2956,  
0.3290

85.1712, 0.2956,  
0.3290

81.7420, 0.2812,  
0.3290

89.1549, 0.3109,  
0.3290

78.8326, 0.2680,  
0.3290

91.8548, 0.3205,  
0.3290


76.4209, 0.2564,  
0.3291

91.8576, 0.3205,  
0.3289


74.4790, 0.2464,  
0.3291


91.8603, 0.3205,  
0.3289

 72.9763, 0.2384,  
0.3291

 91.8630, 0.3204,  
0.3289

 71.8784, 0.2323,  
0.3292


 91.8658, 0.3204,  
0.3288


 71.1461, 0.2281,  
0.3292

 91.8685, 0.3204,  
0.3288

 70.7322, 0.2258,  
0.3293

 91.8713, 0.3203,  
0.3287

 70.5650, 0.2248,  
0.3293

 91.8740, 0.3203,  
0.3287

# Harmonies

## Analogous

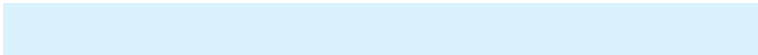
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1712, 0.3035, 0.3385



85.1712, 0.2956, 0.3290



85.1712, 0.2922, 0.3197

# Triad

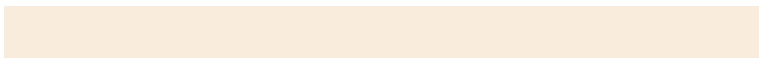
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1712, 0.2956, 0.3290



85.1712, 0.3112, 0.3134



85.1712, 0.3315, 0.3448

# Complementary

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



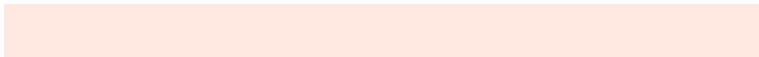
85.1712, 0.2956, 0.3290



73.0824, 0.3327, 0.3290

# 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.



85.1712, 0.3337, 0.3378



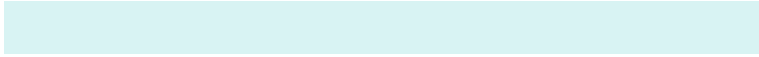
85.1712, 0.2956, 0.3290



85.1712, 0.3218, 0.3198

# Square

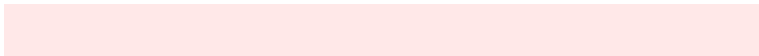
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1712, 0.2956, 0.3290



85.1712, 0.3011, 0.3109



85.1712, 0.3301, 0.3287



85.1712, 0.3242, 0.3476

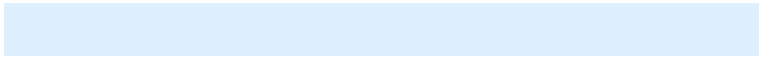


# Rectangle

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



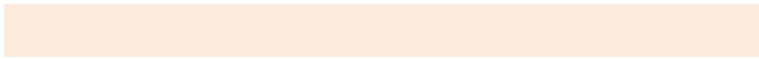
85.1712, 0.2956, 0.3290



85.1712, 0.2930, 0.3149



85.1712, 0.3301, 0.3287



85.1712, 0.3328, 0.3428

# Sweetspot

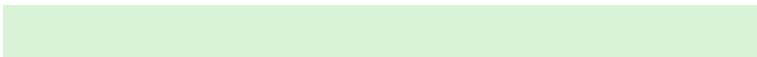
The Sweet Spot groups the original color and five complimentary colors.



85.1748, 0.2956, 0.3290



98.5769, 0.3080, 0.3290



83.7271, 0.3116, 0.3581



21.0202, 0.3068, 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.



85.1748, 0.2956, 0.3290



94.2419, 0.2928, 0.3290



77.6091, 0.2953, 0.3151



18.7573, 0.2981, 0.3290



38.7178, 0.2248, 0.3293



3.4031, 0.2248, 0.3292



# Inverse Universe

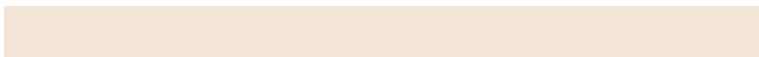
The Inverse Universe completely reimagines the original color for something new.



73.0824, 0.3327, 0.3290



78.6921, 0.3365, 0.3290



80.0625, 0.3311, 0.3426



16.4830, 0.3294, 0.3290



10.4587, 0.6399, 0.3299

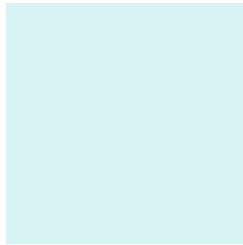


0.9194, 0.6394, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 85.1712, 0.2956, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

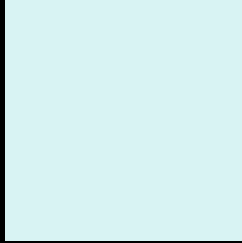
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1712, 0.2956, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

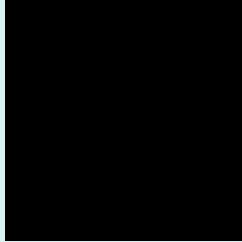
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

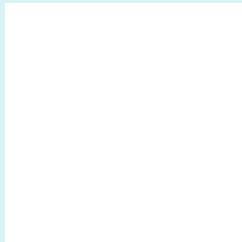
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.1712, 0.2956, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1712, 0.2956, 0.3290.

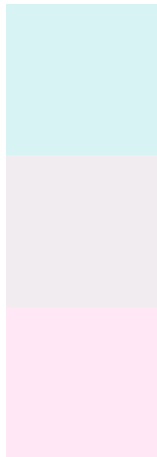


This preview shows how white text looks on a background with the Yxy color 85.1712, 0.2956, 0.3290.

# 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**

85.1712, 0.2956, 0.3290

**Protanopia**

84.9237, 0.3142, 0.3260

**Deuteranopia**

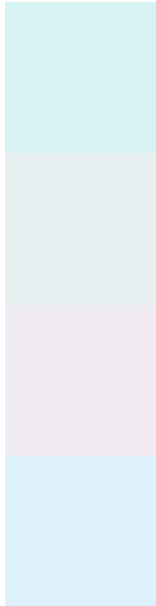
85.0044, 0.3202, 0.3154



## Tritanopia

85.2282, 0.2931, 0.3136

# Trichromacy



**Original Color**

85.1712, 0.2956, 0.3290

**Protanomaly**

85.1801, 0.3075, 0.3280

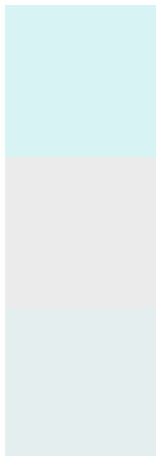
**Deuteranomaly**

84.6491, 0.3111, 0.3200

**Tritanomaly**

85.0913, 0.2935, 0.3187

# Monochromacy



**Original Color**

85.1712, 0.2956, 0.3290

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

83.8161, 0.3062, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1712, 0.2956, 0.3290 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(216, 243, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 243)  
}
```

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(216, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1712, 0.2956, 0.3290 is called "border". The border property can be set on classes, ids or directly on the HTML element.

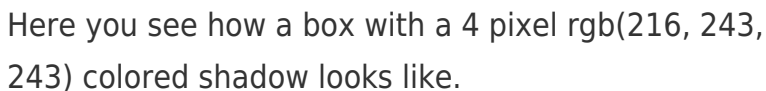
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 243, 243) }
```

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

```
.border{ border-color:rgb(216, 243, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 243, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1712, 0.2956, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 243) }
```

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

```
.background{ background-color: rgb(216,  
243, 243) }
```

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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