

# Converting Colors

$Yxy(85.0656, 0.2964, 0.3303)$

Have a look what the booklet for  
Yxy(85.0656, 0.2964, 0.3303)  
contains.

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# Color

**Yxy(85.1109, 0.2962, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F3F2
RGB	216, 243, 242
RGB Percent	85%, 95%, 95%
CMY	0.1530, 0.0470, 0.0510
CMYK	0.11, 0.00, 0.00, 0.05
HSL	178°, 53%, 90%
HSV	178°, 11%, 95%
XYZ	76.3935, 85.1109, 96.4074
YIQ	234.8130, -15.7710, -6.0350

# Conversions

## Conversions Part 2

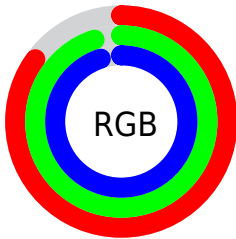
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 230, 243
Decimal	14218226
CIE Lab	93.93, -8.96, -2.51
CIE LCh	94, 9.304, 195.674
Yxy	85.1109, 0.2962, 0.3300
Android (android.graphics.Color)	4292408306 (0xFFD8F3F2)
YUV	234.8130, 3.5432, -16.4990
Hunter-Lab	92.2556, -13.6379, 2.6206

# Details

The Yxy color **85.1109, 0.2962, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1709, 0.3319, 0.3280**, and the grayscale version is **82.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6629, 0.2926, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.6288, 0.2822, 0.3310**, and if you desaturate by 10%, it is **89.1477, 0.3110, 0.3291**.

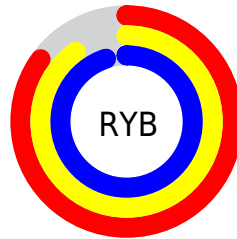
# Distribution



Red (85%)

Green (95%)

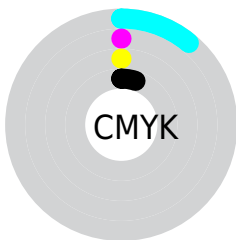
Blue (95%)



Red (85%)

Yellow (90%)

Blue (95%)

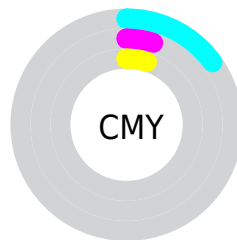


Cyan (11%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (5%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1109, 0.2962, 0.3300 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 85.1109, 0.2962, 0.3300 by changing the saturation by 10% instead.



 85.1109, 0.2962,  
0.3300

 85.1109, 0.2962,  
0.3300


511.9950, 0.3036,  
0.3296

 63.9330, 0.2946,  
0.3301

140.5281, 0.2987,  
0.3299

 46.5964, 0.2926,  
0.3302


175.5362, 0.2997,  
0.3298

 32.7167, 0.2901,  
0.3303


215.9232, 0.3006,  
0.3298

 21.9095, 0.2869,  
0.3304

262.0735, 0.3013,  
0.3297

 13.7904, 0.2826,  
0.3306

314.3714, 0.3020,  
0.3297

 7.9751, 0.2767,  
0.3307

373.2013, 0.3026,

 4.0790, 0.2679,

0.3297

0.3309

438.9477, 0.3031,  
0.3296

1.7178, 0.2535,  
0.3309

0.4352, 0.1523,  
0.3401

85.1109, 0.2962,  
0.3300

85.1109, 0.2962,  
0.3300

81.6288, 0.2822,  
0.3310

89.1477, 0.3110,  
0.3291

78.6669, 0.2694,  
0.3321

91.8867, 0.3201,  
0.3282


76.2029, 0.2581,  
0.3332


91.9417, 0.3195,  
0.3274

74.2089, 0.2484,  
0.3344


91.9970, 0.3189,  
0.3265

 72.6544, 0.2405,  
0.3356

 92.0525, 0.3184,  
0.3256


 71.5051, 0.2347,  
0.3368


 92.1083, 0.3178,  
0.3248

 70.7217, 0.2307,  
0.3380

 92.1644, 0.3173,  
0.3239

 70.2572, 0.2286,  
0.3393

 92.2208, 0.3167,  
0.3230

 70.0451, 0.2279,  
0.3403

 92.2774, 0.3162,  
0.3221

# Harmonies

## Analogous

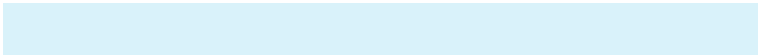
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1109, 0.3045, 0.3393



85.1109, 0.2962, 0.3300



85.1109, 0.2923, 0.3206

# Triad

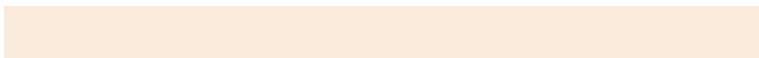
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1109, 0.2962, 0.3300



85.1109, 0.3101, 0.3129



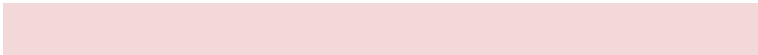
85.1109, 0.3320, 0.3442

# Complementary

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



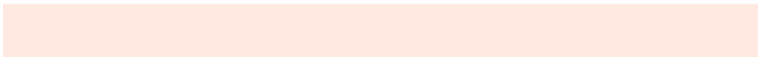
85.1109, 0.2962, 0.3300



73.1709, 0.3319, 0.3280

# 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.



85.1109, 0.3336, 0.3369



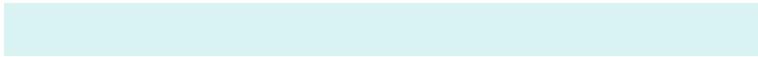
85.1109, 0.2962, 0.3300



85.1109, 0.3208, 0.3190

# Square

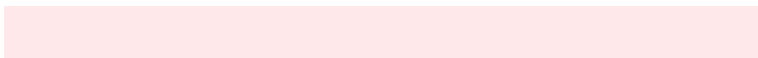
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1109, 0.2962, 0.3300



85.1109, 0.3002, 0.3109



85.1109, 0.3295, 0.3277



85.1109, 0.3251, 0.3476

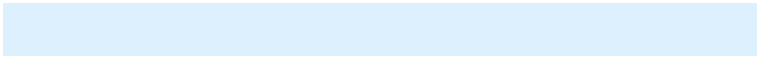


# Rectangle

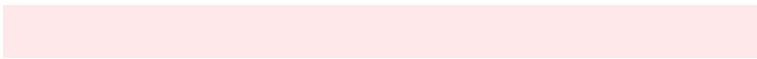
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



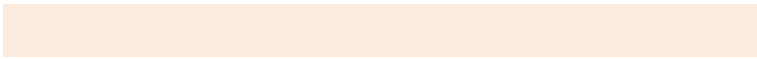
85.1109, 0.2962, 0.3300



85.1109, 0.2927, 0.3155



85.1109, 0.3295, 0.3277



85.1109, 0.3331, 0.3421

# Sweetspot

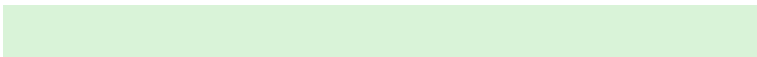
The Sweet Spot groups the original color and five complimentary colors.



85.1145, 0.2962, 0.3300



98.5595, 0.3082, 0.3293



83.8673, 0.3122, 0.3579



21.0155, 0.3070, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

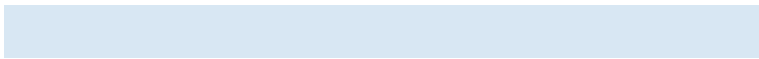
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1145, 0.2962, 0.3300



94.1667, 0.2935, 0.3302



78.1360, 0.2954, 0.3161



18.7465, 0.2986, 0.3299



38.4448, 0.2278, 0.3401



3.3822, 0.2274, 0.3386

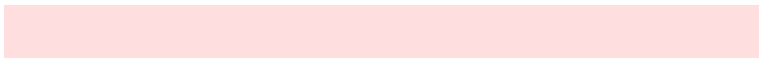


# Inverse Universe

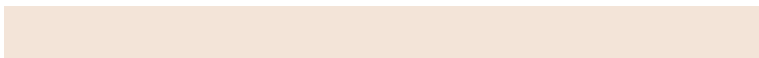
The Inverse Universe completely reimagines the original color for something new.



73.1709, 0.3319, 0.3280



78.7551, 0.3357, 0.3278



79.5812, 0.3311, 0.3416



16.4925, 0.3288, 0.3282



10.4731, 0.6362, 0.3278

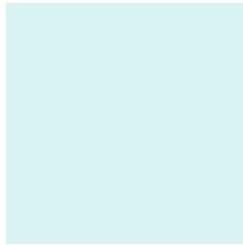


0.9239, 0.6264, 0.3225



# Previews

## White Background



This preview shows how the Yxy color 85.1109, 0.2962, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

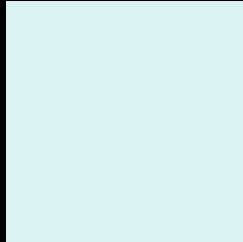
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1109, 0.2962, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

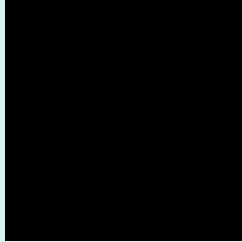
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

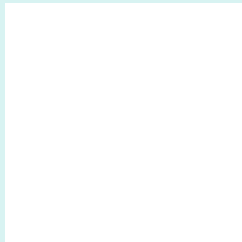
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.1109, 0.2962, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1109, 0.2962, 0.3300.

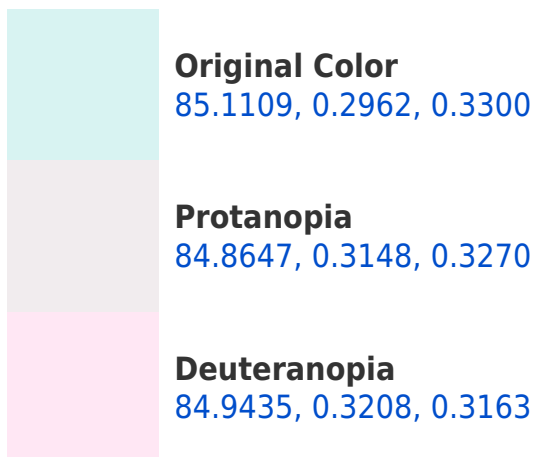


This preview shows how white text looks on a background with the Yxy color 85.1109, 0.2962, 0.3300.

# 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

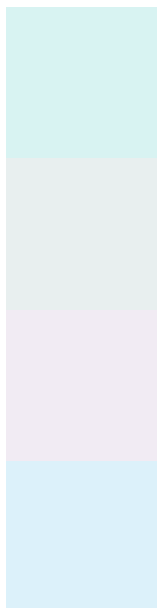




## Tritanopia

85.2282, 0.2931, 0.3136

# Trichromacy



## Original Color

85.1109, 0.2962, 0.3300

## Protanomaly

85.1208, 0.3081, 0.3290

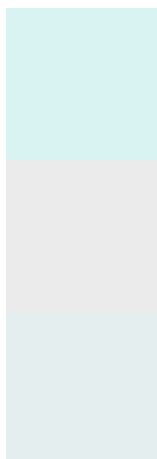
## Deuteranomaly

84.5885, 0.3118, 0.3210

## Tritanomaly

85.0284, 0.2941, 0.3197

# Monochromacy



## Original Color

85.1109, 0.2962, 0.3300

## 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 85.1109, 0.2962, 0.3300 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1109, 0.2962, 0.3300 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, 242) }
```

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

```
.border{ border-color:rgb(216, 243, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 243, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 243, 242); box-shadow:4px 4px 4px 4px rgb(216, 243, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1109, 0.2962, 0.3300 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, 242) }
```

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

```
.background{ background-color: rgb(216,  
243, 242) }
```

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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