

# Converting Colors

$Y_{xy}(85.9244, 0.2938, 0.3220)$

Have a look what the booklet for  
Yxy(85.9244, 0.2938, 0.3220)  
contains.

<b>Yxy(86.0634, 0.2935, 0.3217)</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(86.0634, 0.2935, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF3FA
RGB	219, 243, 250
RGB Percent	86%, 95%, 98%
CMY	0.1412, 0.0470, 0.0195
CMYK	0.12, 0.03, 0.00, 0.02
HSL	194°, 76%, 92%
HSV	194°, 12%, 98%
XYZ	78.5191, 86.0634, 102.9443
YIQ	236.6220, -16.5510, -2.9110

# Conversions

## Conversions Part 2

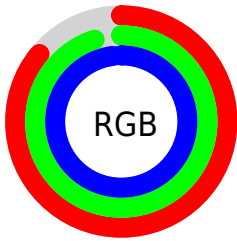
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 233, 250
Decimal	14414842
CIE <sub>Lab</sub>	94.34, -6.45, -6.06
CIE <sub>LCh</sub>	94, 8.845, 223.206
Yxy	86.0634, 0.2935, 0.3217
Android (android.graphics.Color)	4292604922 (0xFFDBF3FA)
YUV	236.6220, 6.5954, -15.4545
Hunter-Lab	92.7704, -11.2690, -0.8530

# Details

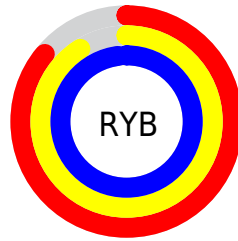
The Yxy color **86.0634, 0.2935, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8430, 0.3344, 0.3362**, and the grayscale version is **84.3417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3282, 0.2892, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **79.1405, 0.2783, 0.3152**, and if you desaturate by 10%, it is **93.6803, 0.3090, 0.3277**.

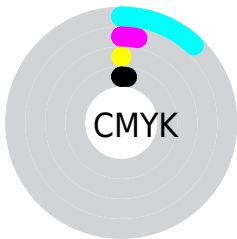
# Distribution



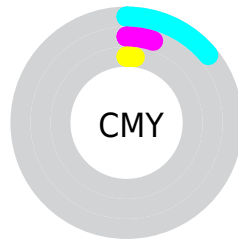
- Red (86%)
- Green (95%)
- Blue (98%)



- Red (86%)
- Yellow (91%)
- Blue (98%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0634, 0.2935, 0.3217 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 86.0634, 0.2935, 0.3217 by changing the saturation by 10% instead.



86.0634, 0.2935,  
0.3217

86.0634, 0.2935,  
0.3217

515.1402, 0.3021,  
0.3251

64.7204, 0.2916,  
0.3209

141.8580, 0.2964,  
0.3229

47.2344, 0.2893,  
0.3200

177.0783, 0.2976,  
0.3233

33.2210, 0.2864,  
0.3188

217.6932, 0.2986,  
0.3237

22.2958, 0.2828,  
0.3173

264.0871, 0.2994,  
0.3240

14.0744, 0.2779,  
0.3153

316.6444, 0.3002,  
0.3243

8.1724, 0.2712,  
0.3124

375.7494, 0.3009,

4.2055, 0.2613,

0.3246

0.3079

441.7865, 0.3015,  
0.3248

■ 1.7892, 0.2453,  
0.3004

■ 0.4804, 0.1734,  
0.2783

■ 86.0634, 0.2935,  
0.3217

■ 86.0634, 0.2935,  
0.3217

■ 79.1405, 0.2783,  
0.3152

■ 93.6803, 0.3090,  
0.3277

■ 72.8741, 0.2638,  
0.3081

■ 99.2553, 0.3156,  
0.3331

■ 67.2390, 0.2502,  
0.3006

■ 99.6844, 0.3156,  
0.3337

■ 62.2039, 0.2378,  
0.2926

■ 57.7347, 0.2271,  
0.2844

■ 53.7931, 0.2182,  
0.2760

■ 50.3348, 0.2112,  
0.2675

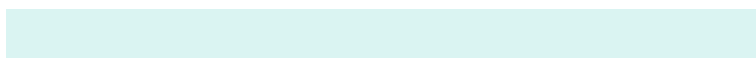
■ 47.3070, 0.2063,  
0.2591

■ 45.2389, 0.2036,  
0.2528

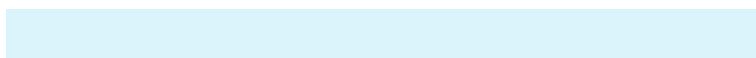
# Harmonies

## Analogous

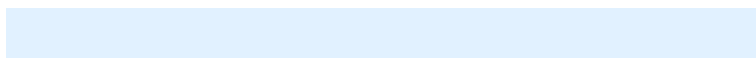
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0634, 0.2976, 0.3307



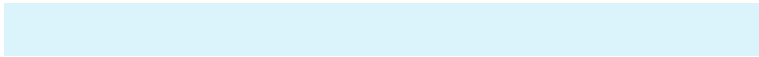
86.0634, 0.2935, 0.3217



86.0634, 0.2945, 0.3149

# Triad

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



86.0634, 0.2935, 0.3217



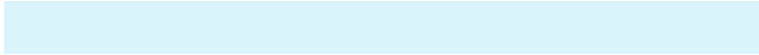
86.0634, 0.3196, 0.3189



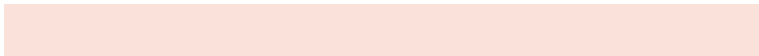
86.0634, 0.3252, 0.3465

# Complementary

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



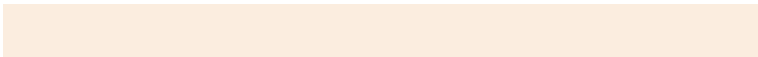
86.0634, 0.2935, 0.3217



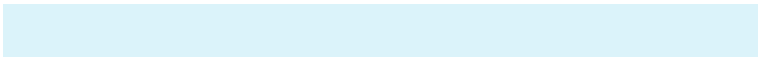
79.8430, 0.3344, 0.3362

# Split Complementary

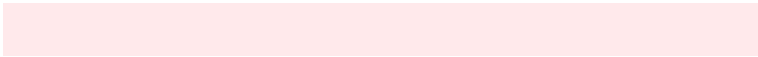
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0634, 0.3313, 0.3430



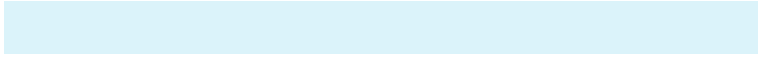
86.0634, 0.2935, 0.3217



86.0634, 0.3281, 0.3271

# Square

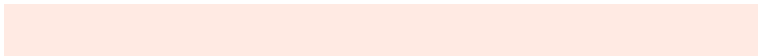
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.0634, 0.2935, 0.3217



86.0634, 0.3094, 0.3134



86.0634, 0.3323, 0.3358



86.0634, 0.3158, 0.3452

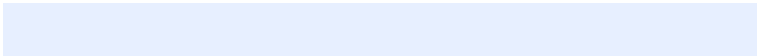


# Rectangle

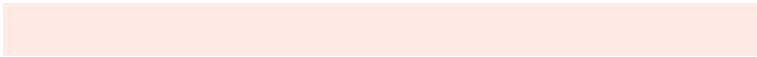
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



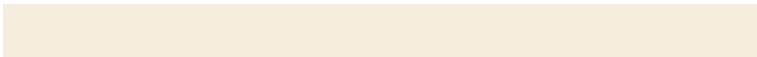
86.0634, 0.2935, 0.3217



86.0634, 0.2979, 0.3124



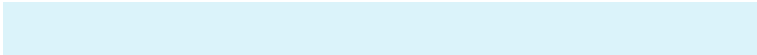
86.0634, 0.3323, 0.3358



86.0634, 0.3277, 0.3458

# Sweetspot

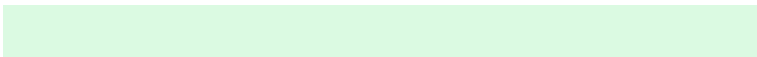
The Sweet Spot groups the original color and five complimentary colors.



86.0670, 0.2935, 0.3217



96.6523, 0.3065, 0.3267



88.9261, 0.3073, 0.3545



20.5557, 0.3053, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

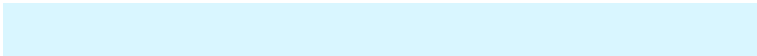


# Same Dimension

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



86.0670, 0.2935, 0.3217



88.0532, 0.2895, 0.3201



77.3279, 0.2931, 0.3057



18.9030, 0.2980, 0.3235



24.2149, 0.2039, 0.2542



2.4000, 0.2067, 0.2642



# Inverse Universe

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



77.4558, 0.3188, 0.3051



77.4318, 0.3202, 0.2999



88.4955, 0.3324, 0.3513



17.4534, 0.3173, 0.3108



12.8554, 0.3881, 0.1912

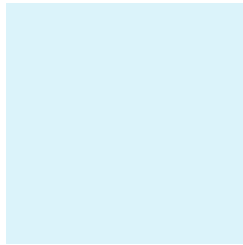


1.2065, 0.3784, 0.1858



# Previews

## White Background



This preview shows how the Yxy color 86.0634, 0.2935, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

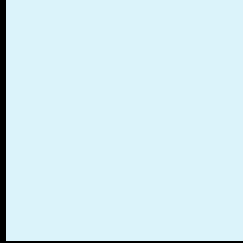
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0634, 0.2935, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

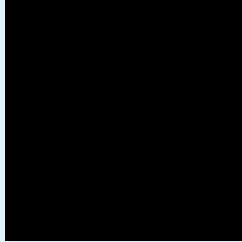
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.0634, 0.2935, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0634, 0.2935, 0.3217.

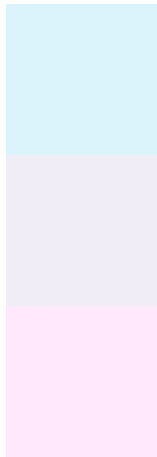


This preview shows how white text looks on a background with the Yxy color 86.0634, 0.2935, 0.3217.

# 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

86.0634, 0.2935, 0.3217

### Protanopia

85.7475, 0.3092, 0.3200

### Deuteranopia

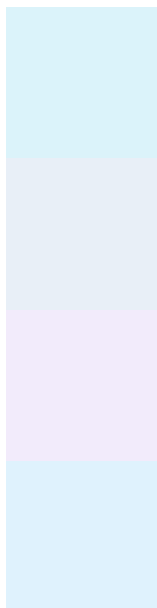
85.4401, 0.3157, 0.3087



## Tritanopia

86.2993, 0.2950, 0.3148

# Trichromacy



## Original Color

86.0634, 0.2935, 0.3217

## Protanomaly

85.6042, 0.3034, 0.3209

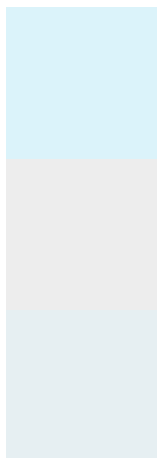
## Deuteranomaly

85.2589, 0.3075, 0.3131

## Tritanomaly

86.2841, 0.2943, 0.3177

# Monochromacy



## Original Color

86.0634, 0.2935, 0.3217

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.9668, 0.3050, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0634, 0.2935, 0.3217 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(219, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(219, 243, 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(219, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 243, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0634, 0.2935, 0.3217 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(219, 243, 250) }
```

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

```
.border{ border-color:rgb(219, 243, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 243, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 243, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 243, 250);  
box-shadow:4px 4px 4px 4px rgb(219, 243,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0634, 0.2935, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 243, 250) }
```

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

```
.background{ background-color: rgb(219,  
243, 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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