

Converting Colors

$Yxy(87.1812, 0.2910, 0.3217)$

Have a look what the booklet for
Yxy(87.1812, 0.2910, 0.3217)
contains.

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Color

Yxy(87.0848, 0.2913, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	D9F5FC
RGB	217, 245, 252
RGB Percent	85%, 96%, 99%
CMY	0.1487, 0.0393, 0.0117
CMYK	0.14, 0.03, 0.00, 0.01
HSL	192°, 85%, 92%
HSV	192°, 14%, 99%
XYZ	78.8555, 87.0848, 104.7616
YIQ	237.4260, -18.9350, -3.7590

Conversions

Conversions Part 2

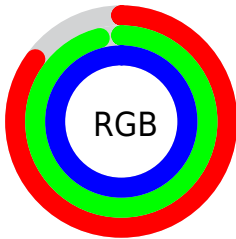
Format	Color
R _Y B	217, 233, 252
Decimal	14284284
CIE Lab	94.77, -7.65, -6.45
CIE LCh	95, 10.010, 220.146
Yxy	87.0848, 0.2913, 0.3217
Android (android.graphics.Color)	4292474364 (0xFFD9F5FC)
YUV	237.4260, 7.1850, -17.9136
Hunter-Lab	93.3192, -12.4748, -1.2364

Details

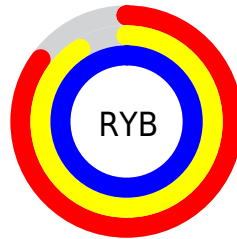
The Yxy color **87.0848, 0.2913, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0783, 0.3374, 0.3362**, and the grayscale version is **84.9994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0167, 0.2871, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **80.4892, 0.2763, 0.3158**, and if you desaturate by 10%, it is **94.3614, 0.3067, 0.3271**.

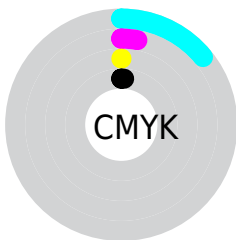
Distribution



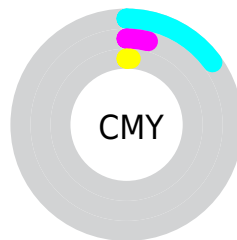
- Red (85%)
- Green (96%)
- Blue (99%)



- Red (85%)
- Yellow (91%)
- Blue (99%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0848, 0.2913, 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 87.0848, 0.2913, 0.3217 by changing the saturation by 10% instead.

87.0848, 0.2913,
0.3217

87.0848, 0.2913,
0.3217

518.5015, 0.3008,
0.3251

65.5654, 0.2892,
0.3209

143.2823, 0.2945,
0.3229

47.9197, 0.2867,
0.3200

178.7292, 0.2958,
0.3233

33.7633, 0.2835,
0.3188

219.5874, 0.2969,
0.3237

22.7118, 0.2795,
0.3173

266.2413, 0.2979,
0.3240

14.3809, 0.2741,
0.3152

319.0752, 0.2988,
0.3243

8.3860, 0.2668,
0.3123

378.4737, 0.2995,

4.3429, 0.2560,

0.3246

0.3078

444.8209, 0.3002,
0.3248

■ 1.8672, 0.2387,
0.3001

■ 0.5285, 0.1686,
0.2823

■ 87.0848, 0.2913,
0.3217

■ 87.0848, 0.2913,
0.3217

■ 80.4892, 0.2763,
0.3158

■ 94.3614, 0.3067,
0.3271

■ 74.5366, 0.2620,
0.3095

■ 99.8094, 0.3144,
0.3318

■ 69.2011, 0.2488,
0.3028

■ 64.4509, 0.2370,
0.2957

■ 60.2507, 0.2269,
0.2884

■ 56.5611, 0.2186,
0.2810

■ 53.3365, 0.2123,
0.2736

■ 50.5211, 0.2080,
0.2662

■ 48.9480, 0.2060,
0.2617

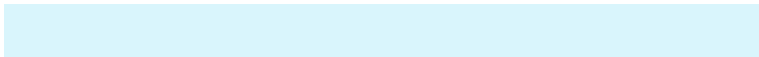
Harmonies

Analogous

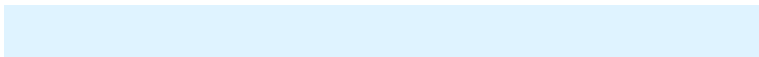
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0848, 0.2964, 0.3320



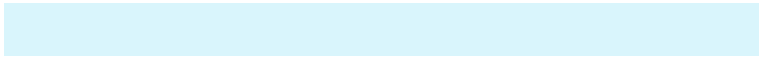
87.0848, 0.2913, 0.3217



87.0848, 0.2918, 0.3137

Triad

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



87.0848, 0.2913, 0.3217



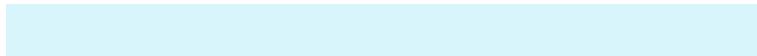
87.0848, 0.3193, 0.3169



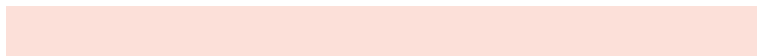
87.0848, 0.3277, 0.3486

Complementary

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



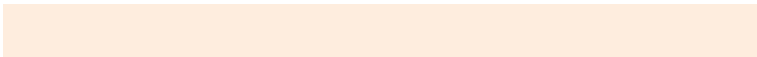
87.0848, 0.2913, 0.3217



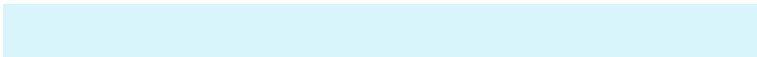
79.0783, 0.3374, 0.3362

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.



87.0848, 0.3340, 0.3441



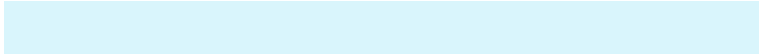
87.0848, 0.2913, 0.3217



87.0848, 0.3292, 0.3258

Square

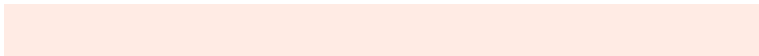
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0848, 0.2913, 0.3217



87.0848, 0.3078, 0.3111



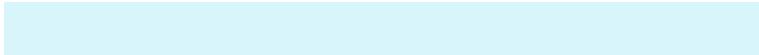
87.0848, 0.3346, 0.3357



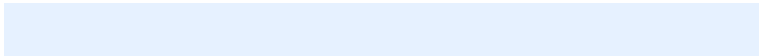
87.0848, 0.3173, 0.3478

Rectangle

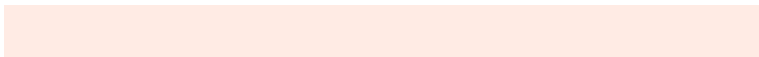
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



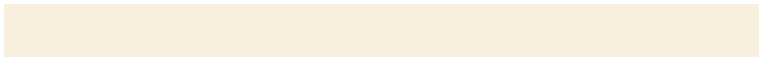
87.0848, 0.2913, 0.3217



87.0848, 0.2952, 0.3106



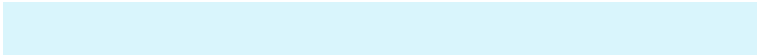
87.0848, 0.3346, 0.3357



87.0848, 0.3303, 0.3476

Sweetspot

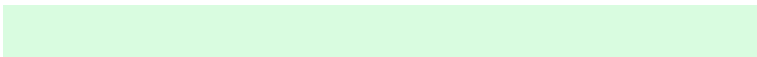
The Sweet Spot groups the original color and five complimentary colors.



87.0884, 0.2913, 0.3217



96.8141, 0.3065, 0.3270



89.7795, 0.3070, 0.3584



20.5967, 0.3053, 0.3266



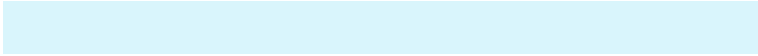
0.0000, 0.0000, 0.0000



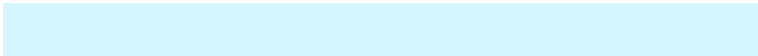
21.4041, 0.3127, 0.3290

Same Dimension

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



87.0884, 0.2913, 0.3217



87.2458, 0.2865, 0.3199



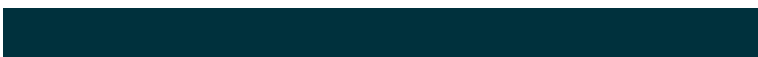
77.0341, 0.2907, 0.3033



18.9804, 0.2980, 0.3241



25.7086, 0.2064, 0.2630



2.5262, 0.2088, 0.2718

Inverse Universe

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



76.9526, 0.3190, 0.3014



74.8431, 0.3206, 0.2949



88.9391, 0.3350, 0.3534



17.4612, 0.3169, 0.3103



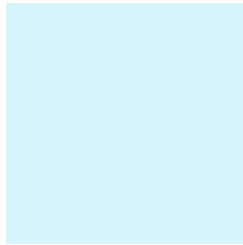
13.0062, 0.3795, 0.1864



1.2193, 0.3712, 0.1818

Previews

White Background



This preview shows how the Yxy color 87.0848, 0.2913, 0.3217 looks on a white background.

Color Contrast Check

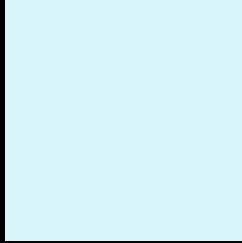
Large Text (above 18pt) WCAG AA × Fail

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 87.0848, 0.2913, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

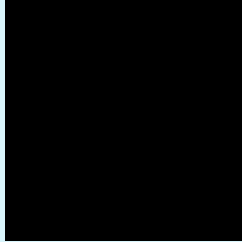
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

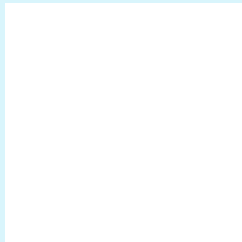
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0848, 0.2913, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 87.0848, 0.2913, 0.3217.

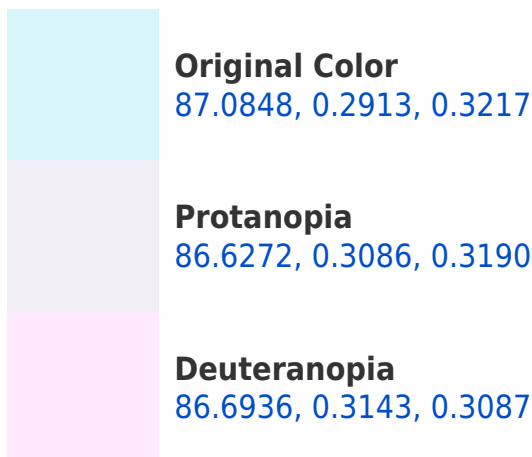


This preview shows how white text looks on a background with the Yxy color 87.0848, 0.2913, 0.3217.

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

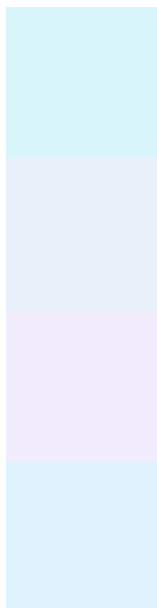




Tritanopia

86.8930, 0.2950, 0.3158

Trichromacy



Original Color

87.0848, 0.2913, 0.3217

Protanomaly

86.9060, 0.3022, 0.3209

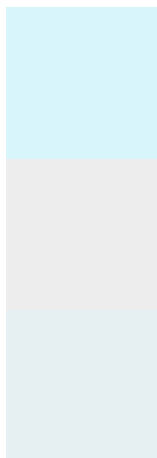
Deuteranomaly

86.3610, 0.3056, 0.3131

Tritanomaly

86.9449, 0.2937, 0.3177

Monochromacy



Original Color

87.0848, 0.2913, 0.3217

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5540, 0.3050, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0848, 0.2913, 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(217, 245, 252)` looks like.

```
.text, #text, p{  
    color:rgb(217, 245, 252)  
}
```

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(217, 245, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 245, 252) }
```

Border

The CSS property to change the border of an element to Yxy 87.0848, 0.2913, 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(217, 245, 252) }
```

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

```
.border{ border-color:rgb(217, 245, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 245, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 245, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 245, 252);  
box-shadow:4px 4px 4px 4px rgb(217, 245,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0848, 0.2913, 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(217, 245, 252) }
```

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

```
.background{ background-color: rgb(217,  
245, 252) }
```

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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