

Converting Colors

$Y_{xy}(85.7370, 0.2915, 0.3214)$

Have a look what the booklet for
Yxy(85.7370, 0.2915, 0.3214)
contains.

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Color

Yxy(85.6022, 0.2917, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	D8F3FA
RGB	216, 243, 250
RGB Percent	85%, 95%, 98%
CMY	0.1530, 0.0470, 0.0196
CMYK	0.14, 0.03, 0.00, 0.02
HSL	192°, 77%, 91%
HSV	192°, 14%, 98%
XYZ	77.6194, 85.6022, 102.8717
YIQ	235.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

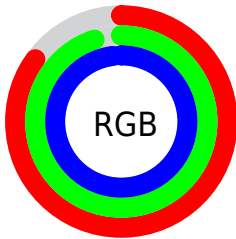
Format	Color
R _Y B	216, 231, 250
Decimal	14218234
CIE Lab	94.14, -7.39, -6.35
CIE LCh	94, 9.747, 220.652
Yxy	85.6022, 0.2917, 0.3217
Android (android.graphics.Color)	4292408314 (0xFFD8F3FA)
YUV	235.7250, 7.0376, -17.2988
Hunter-Lab	92.5215, -12.1628, -1.1576

Details

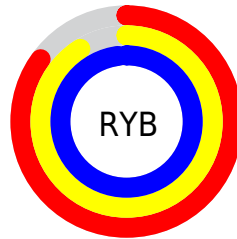
The Yxy color **85.6022, 0.2917, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0381, 0.3369, 0.3362**, and the grayscale version is **83.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0128, 0.2869, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **79.0530, 0.2767, 0.3157**, and if you desaturate by 10%, it is **92.8238, 0.3071, 0.3272**.

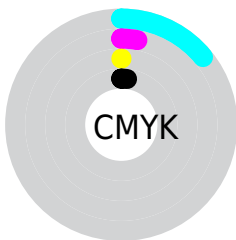
Distribution



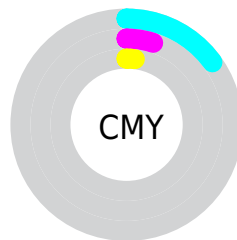
- Red (85%)
- Green (95%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6022, 0.2917, 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 85.6022, 0.2917, 0.3217 by changing the saturation by 10% instead.

85.6022, 0.2917,
0.3217

85.6022, 0.2917,
0.3217

513.6186, 0.3011,
0.3251

64.3391, 0.2896,
0.3209

141.2142, 0.2949,
0.3229

46.9254, 0.2871,
0.3200

176.3319, 0.2962,
0.3233

32.9767, 0.2840,
0.3188

216.8366, 0.2972,
0.3237

22.1086, 0.2800,
0.3173

263.1127, 0.2982,
0.3241

13.9367, 0.2747,
0.3152

315.5445, 0.2991,
0.3244

8.0766, 0.2673,
0.3122

374.5165, 0.2998,

4.1440, 0.2565,

0.3246

0.3076

440.4131, 0.3005,
0.3249

■ 1.7545, 0.2390,
0.2998

■ 0.4585, 0.1541,
0.2767

■ 85.6022, 0.2917,
0.3217

■ 85.6022, 0.2917,
0.3217

■ 79.0530, 0.2767,
0.3157

■ 92.8238, 0.3071,
0.3272

■ 73.1386, 0.2624,
0.3093

■ 98.5899, 0.3157,
0.3321

■ 67.8339, 0.2491,
0.3024

■ 99.6820, 0.3156,
0.3338

■ 63.1075, 0.2372,
0.2952

■ 58.9252, 0.2269,
0.2878

■ 55.2481, 0.2186,
0.2802

■ 52.0318, 0.2122,
0.2726

■ 49.2219, 0.2077,
0.2651

■ 47.5886, 0.2056,
0.2603

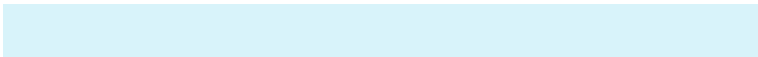
Harmonies

Analogous

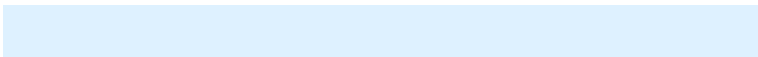
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6022, 0.2966, 0.3318



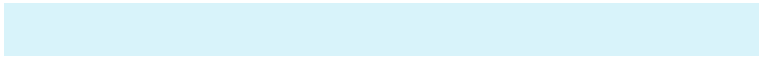
85.6022, 0.2917, 0.3217



85.6022, 0.2923, 0.3139

Triad

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



85.6022, 0.2917, 0.3217



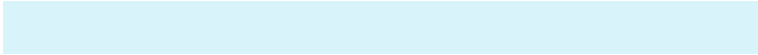
85.6022, 0.3194, 0.3172



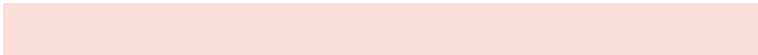
85.6022, 0.3272, 0.3482

Complementary

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



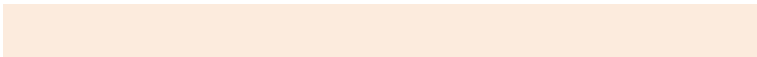
85.6022, 0.2917, 0.3217



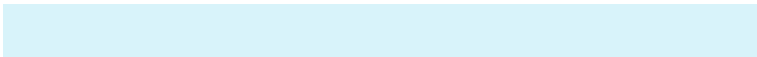
78.0381, 0.3369, 0.3362

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.



85.6022, 0.3335, 0.3439



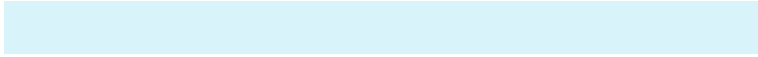
85.6022, 0.2917, 0.3217



85.6022, 0.3290, 0.3260

Square

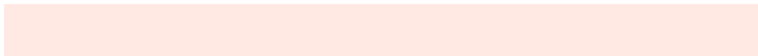
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



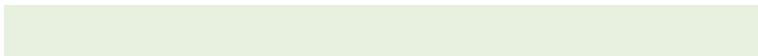
85.6022, 0.2917, 0.3217



85.6022, 0.3081, 0.3115



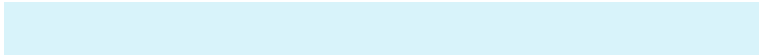
85.6022, 0.3342, 0.3357



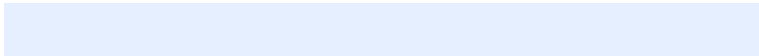
85.6022, 0.3170, 0.3473

Rectangle

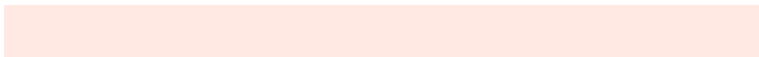
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



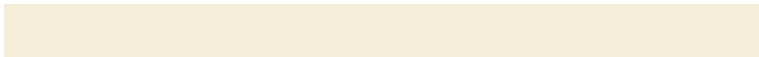
85.6022, 0.2917, 0.3217



85.6022, 0.2957, 0.3109



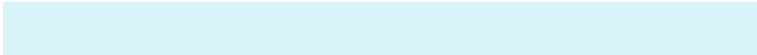
85.6022, 0.3342, 0.3357



85.6022, 0.3299, 0.3473

Sweetspot

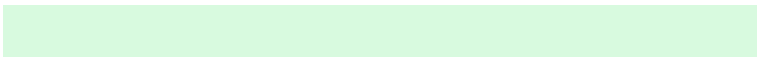
The Sweet Spot groups the original color and five complimentary colors.



85.6058, 0.2917, 0.3217



96.7871, 0.3065, 0.3270



88.2820, 0.3071, 0.3577



20.5899, 0.3053, 0.3266



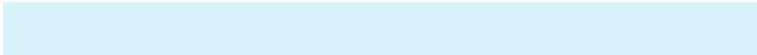
0.0000, 0.0000, 0.0000



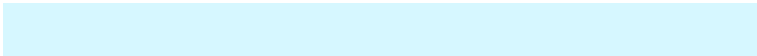
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6058, 0.2917, 0.3217



87.8357, 0.2880, 0.3203



75.9914, 0.2912, 0.3039



18.9675, 0.2980, 0.3240



25.4556, 0.2060, 0.2615



2.5049, 0.2085, 0.2705

Inverse Universe

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



75.8967, 0.3190, 0.3020



76.1464, 0.3202, 0.2971



87.4787, 0.3345, 0.3529



17.4599, 0.3170, 0.3103



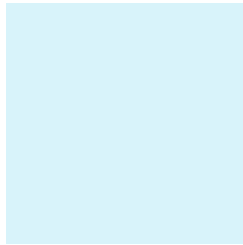
12.9807, 0.3809, 0.1872



1.2171, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 85.6022, 0.2917, 0.3217 looks on a white background.

Color Contrast Check

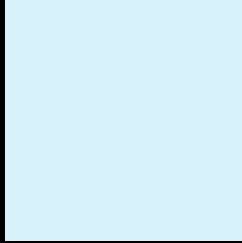
Large Text (above 18pt) WCAG AA × Fail

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 85.6022, 0.2917, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

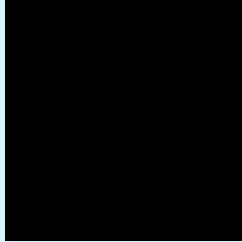
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

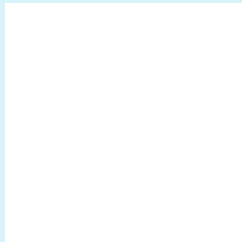
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6022, 0.2917, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 85.6022, 0.2917, 0.3217.

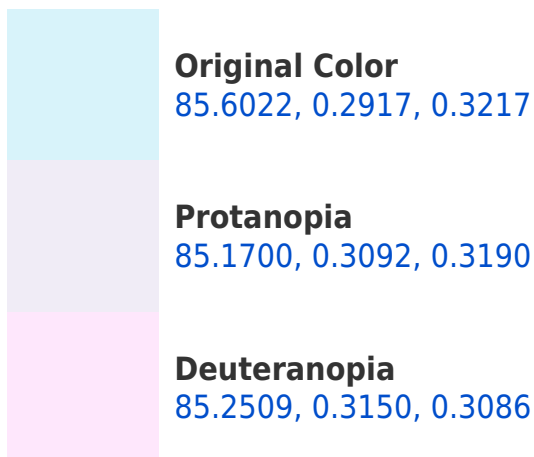


This preview shows how white text looks on a background with the Yxy color 85.6022, 0.2917, 0.3217.

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

85.2282, 0.2931, 0.3136

Trichromacy



Original Color

85.6022, 0.2917, 0.3217

Protanomaly

85.4373, 0.3027, 0.3208

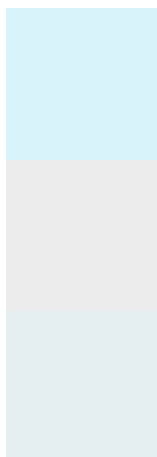
Deuteranomaly

84.9070, 0.3062, 0.3130

Tritanomaly

85.2181, 0.2924, 0.3166

Monochromacy



Original Color

85.6022, 0.2917, 0.3217

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7419, 0.3050, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6022, 0.2917, 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(216, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 250) }
```

Border

The CSS property to change the border of an element to Yxy 85.6022, 0.2917, 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(216, 243, 250) }
```

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

```
.border{ border-color:rgb(216, 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(216, 243, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 243, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 243, 250); box-shadow:4px 4px 4px 4px rgb(216, 243, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6022, 0.2917, 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(216, 243, 250) }
```

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

```
.background{ background-color: rgb(216,  
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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