

Converting Colors

$Y_{xy}(86.7303, 0.2949, 0.3179)$

Have a look what the booklet for
Yxy(86.7303, 0.2949, 0.3179)
contains.

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Color

Yxy(86.4434, 0.2949, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	E0F2FD
RGB	224, 242, 253
RGB Percent	88%, 95%, 99%
CMY	0.1213, 0.0510, 0.0077
CMYK	0.11, 0.04, 0.00, 0.01
HSL	203°, 88%, 94%
HSV	203°, 11%, 99%
XYZ	80.2397, 86.4434, 105.4082
YIQ	237.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

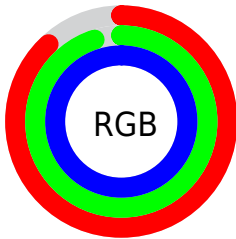
Format	Color
R _Y B	224, 235, 253
Decimal	14742269
CIE Lab	94.50, -3.74, -7.33
CIE LCh	95, 8.230, 242.943
Yxy	86.4434, 0.2949, 0.3177
Android (android.graphics.Color)	4292932349 (0xFFE0F2FD)
YUV	237.8720, 7.4581, -12.1657
Hunter-Lab	92.9749, -8.6562, -2.1362

Details

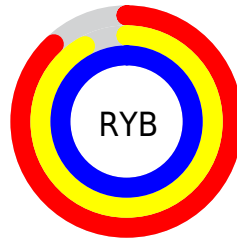
The Yxy color **86.4434, 0.2949, 0.3177** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7510, 0.3320, 0.3400**, and the grayscale version is **85.3559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5383, 0.2916, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **77.1074, 0.2791, 0.3067**, and if you desaturate by 10%, it is **96.6911, 0.3105, 0.3276**.

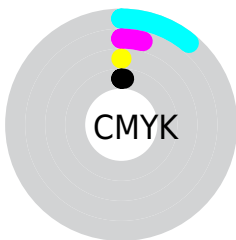
Distribution



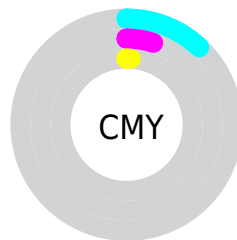
- Red (88%)
- Green (95%)
- Blue (99%)



- Red (88%)
- Yellow (92%)
- Blue (99%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4434, 0.2949, 0.3177 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 86.4434, 0.2949, 0.3177 by changing the saturation by 10% instead.

86.4434, 0.2949,
0.3177

86.4434, 0.2949,
0.3177

516.3921, 0.3029,
0.3228

65.0347, 0.2931,
0.3166

142.3881, 0.2976,
0.3195

47.4892, 0.2910,
0.3152

177.6928, 0.2987,
0.3201

33.4226, 0.2884,
0.3134

218.3984, 0.2996,
0.3207

22.4504, 0.2850,
0.3112

264.8892, 0.3004,
0.3213

14.1882, 0.2805,
0.3082

317.5495, 0.3011,
0.3217

8.2517, 0.2743,
0.3040

376.7639, 0.3018,

4.2564, 0.2651,

0.3221

0.2977

442.9166, 0.3023,
0.3225

■ 1.8180, 0.2503,
0.2872

■ 0.4984, 0.1972,
0.2571

■ 86.4434, 0.2949,
0.3177

■ 86.4434, 0.2949,
0.3177

■ 77.1074, 0.2791,
0.3067

■ 96.6911, 0.3105,
0.3276

■ 68.6413, 0.2634,
0.2946

99.8737, 0.3138,
0.3309

■ 61.0155, 0.2482,
0.2816

■ 54.1943, 0.2338,
0.2677

■ 48.1387, 0.2207,
0.2532

■ 42.8057, 0.2093,
0.2383

■ 38.1464, 0.1998,
0.2233

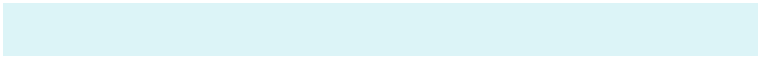
■ 34.1027, 0.1926,
0.2086

■ 31.0598, 0.1879,
0.1964

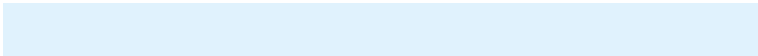
Harmonies

Analogous

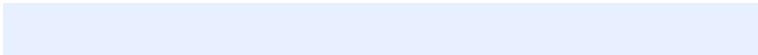
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4434, 0.2956, 0.3250



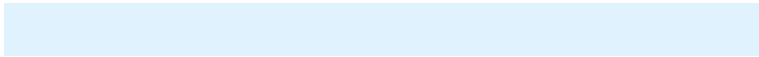
86.4434, 0.2949, 0.3177



86.4434, 0.2988, 0.3136

Triad

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



86.4434, 0.2949, 0.3177



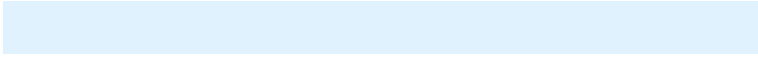
86.4434, 0.3246, 0.3245



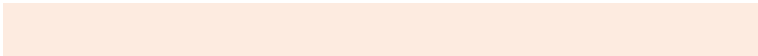
86.4434, 0.3188, 0.3450

Complementary

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



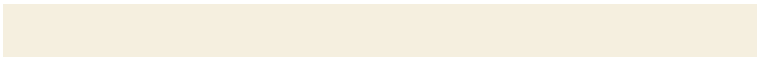
86.4434, 0.2949, 0.3177



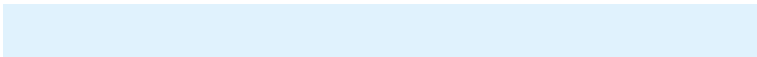
85.7510, 0.3320, 0.3400

Split Complementary

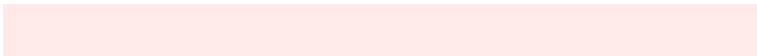
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4434, 0.3267, 0.3446



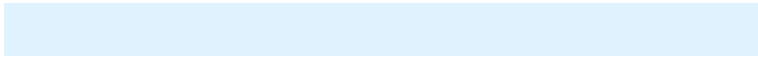
86.4434, 0.2949, 0.3177



86.4434, 0.3301, 0.3326

Square

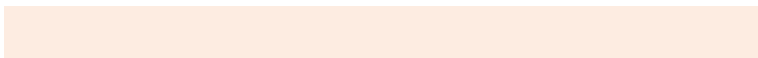
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



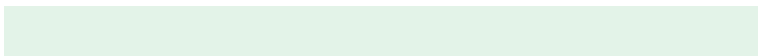
86.4434, 0.2949, 0.3177



86.4434, 0.3160, 0.3175



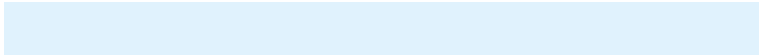
86.4434, 0.3309, 0.3400



86.4434, 0.3093, 0.3409

Rectangle

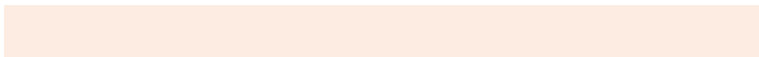
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4434, 0.2949, 0.3177



86.4434, 0.3037, 0.3131



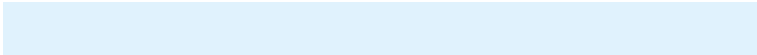
86.4434, 0.3309, 0.3400



86.4434, 0.3217, 0.3454

Sweetspot

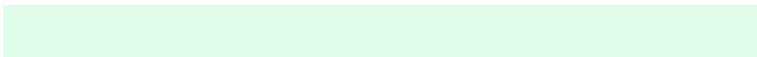
The Sweet Spot groups the original color and five complimentary colors.



86.4470, 0.2949, 0.3177



96.7311, 0.3081, 0.3262



92.1066, 0.3053, 0.3478



20.5205, 0.3068, 0.3254



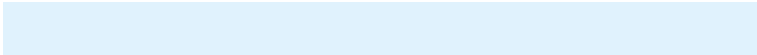
0.0000, 0.0000, 0.0000



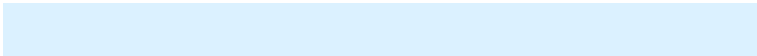
21.4041, 0.3127, 0.3290

Same Dimension

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



86.4470, 0.2949, 0.3177



85.4680, 0.2909, 0.3150



78.3966, 0.2946, 0.3031



19.2498, 0.2979, 0.3197



16.8087, 0.1885, 0.1987



1.8478, 0.1931, 0.2151

Inverse Universe

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



80.6432, 0.3213, 0.3113



78.4539, 0.3234, 0.3072



94.1284, 0.3303, 0.3537



18.1761, 0.3197, 0.3144



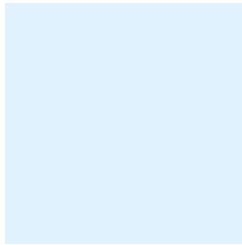
12.4248, 0.4468, 0.2235



1.2311, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 86.4434, 0.2949, 0.3177 looks on a white background.

Color Contrast Check

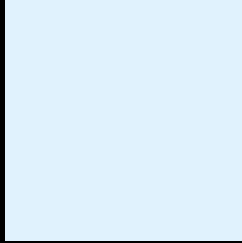
Large Text (above 18pt) WCAG AA × Fail

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 86.4434, 0.2949, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

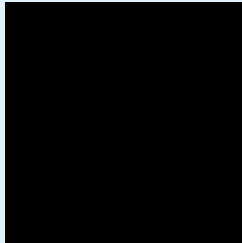
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

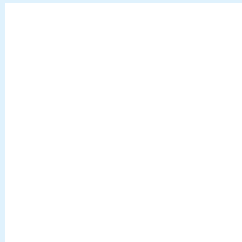
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4434, 0.2949, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 86.4434, 0.2949, 0.3177.

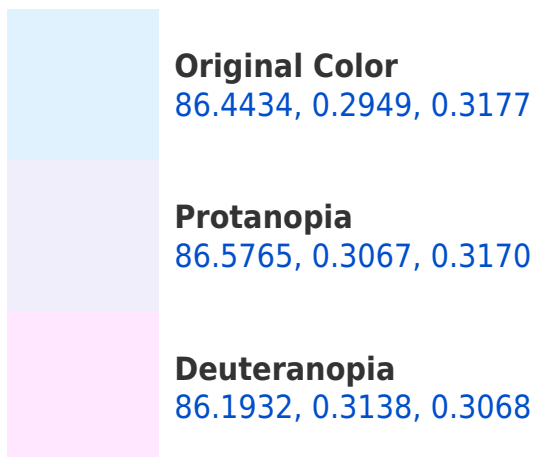


This preview shows how white text looks on a background with the Yxy color 86.4434, 0.2949, 0.3177.

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

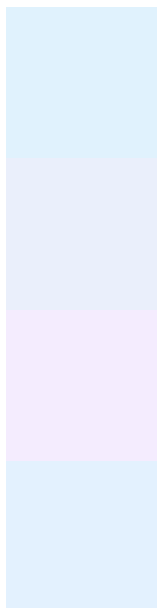




Tritanopia

86.1982, 0.2968, 0.3138

Trichromacy



Original Color

86.4434, 0.2949, 0.3177

Protanomaly

86.1905, 0.3023, 0.3169

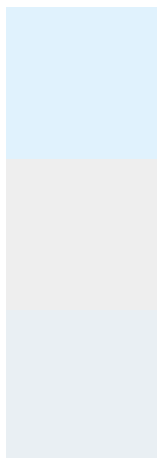
Deuteranomaly

86.3798, 0.3070, 0.3113

Tritanomaly

86.3972, 0.2961, 0.3158

Monochromacy



Original Color

86.4434, 0.2949, 0.3177

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5277, 0.3064, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4434, 0.2949, 0.3177 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(224, 242, 253)` looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 253)  
}
```

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(224, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 253) }
```

Border

The CSS property to change the border of an element to Yxy 86.4434, 0.2949, 0.3177 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(224, 242, 253) }
```

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

```
.border{ border-color:rgb(224, 242, 253) }
```

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

Here you see how a box with a 4 pixel rgb(224, 242, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4434, 0.2949, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 253) }
```

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

```
.background{ background-color: rgb(224,  
242, 253) }
```

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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