

Converting Colors

$Yxy(85.9885, 0.3003, 0.3189)$

Have a look what the booklet for
Yxy(85.9885, 0.3003, 0.3189)
contains.

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Color

Yxy(86.0453, 0.3003, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	E6F0FA
RGB	230, 240, 250
RGB Percent	90%, 94%, 98%
CMY	0.0980, 0.0588, 0.0195
CMYK	0.08, 0.04, 0.00, 0.02
HSL	210°, 67%, 94%
HSV	210°, 8%, 98%
XYZ	81.0521, 86.0453, 102.8063
YIQ	238.1500, -9.1700, 0.9900

Conversions

Conversions Part 2

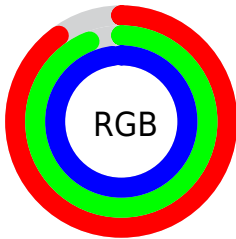
Format	Color
R _{YB}	230, 237, 250
Decimal	15134970
CIE Lab	94.33, -1.42, -5.98
CIE LCh	94, 6.148, 256.626
Yxy	86.0453, 0.3003, 0.3188
Android (android.graphics.Color)	4293325050 (0xFFE6F0FA)
YUV	238.1500, 5.8421, -7.1475
Hunter-Lab	92.7606, -6.3619, -0.7785

Details

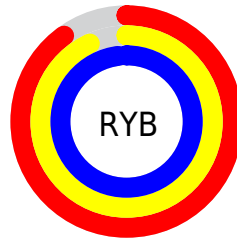
The Yxy color **86.0453, 0.3003, 0.3188** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3824, 0.3256, 0.3390**, and the grayscale version is **85.5849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1747, 0.2969, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **75.0855, 0.2842, 0.3047**, and if you desaturate by 10%, it is **98.1137, 0.3157, 0.3314**.

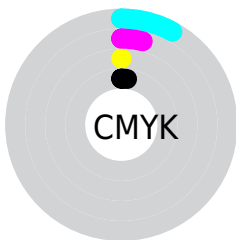
Distribution



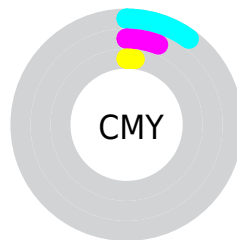
- Red (90%)
- Green (94%)
- Blue (98%)



- Red (90%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0453, 0.3003, 0.3188 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 86.0453, 0.3003, 0.3188 by changing the saturation by 10% instead.

86.0453, 0.3003,
0.3188

86.0453, 0.3003,
0.3188

515.0806, 0.3059,
0.3234

64.7054, 0.2991,
0.3178

141.8327, 0.3022,
0.3204

47.2223, 0.2976,
0.3165

177.0490, 0.3029,
0.3210

33.2114, 0.2957,
0.3150

217.6596, 0.3036,
0.3215

22.2884, 0.2933,
0.3130

264.0489, 0.3042,
0.3220

14.0690, 0.2901,
0.3103

316.6012, 0.3047,
0.3224

8.1687, 0.2857,
0.3066

375.7010, 0.3051,

4.2031, 0.2792,

0.3228

0.3010

441.7327, 0.3055,
0.3231

■ 1.7878, 0.2684,
0.2918

■ 0.4795, 0.2287,
0.2605

■ 86.0453, 0.3003,
0.3188

■ 86.0453, 0.3003,
0.3188

■ 75.0855, 0.2842,
0.3047

■ 98.1137, 0.3157,
0.3314

■ 65.1887, 0.2678,
0.2892

■ 99.6843, 0.3156,
0.3337

■ 56.3211, 0.2513,
0.2722

■ 48.4427, 0.2352,
0.2539

■ 41.5104, 0.2199,
0.2347

■ 35.4772, 0.2061,
0.2150

■ 30.2906, 0.1942,
0.1952

■ 25.8905, 0.1846,
0.1760

■ 22.1990, 0.1775,
0.1579

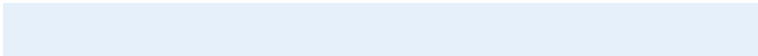
Harmonies

Analogous

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



86.0453, 0.2992, 0.3233



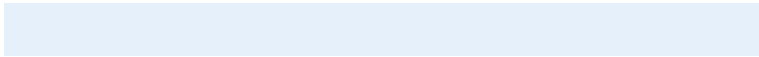
86.0453, 0.3003, 0.3188



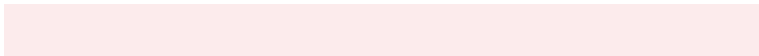
86.0453, 0.3047, 0.3170

Triad

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



86.0453, 0.3003, 0.3188



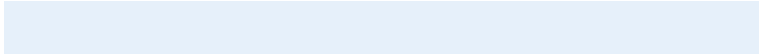
86.0453, 0.3239, 0.3284



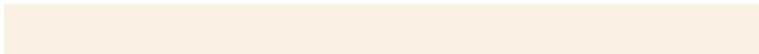
86.0453, 0.3141, 0.3399

Complementary

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



86.0453, 0.3003, 0.3188



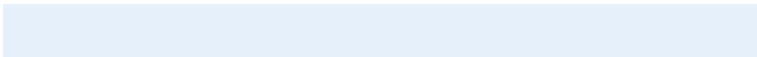
88.3824, 0.3256, 0.3390

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.



86.0453, 0.3207, 0.3412



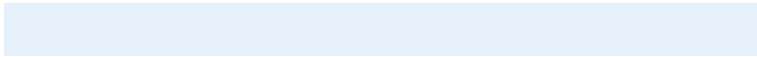
86.0453, 0.3003, 0.3188



86.0453, 0.3264, 0.3345

Square

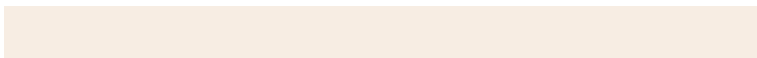
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



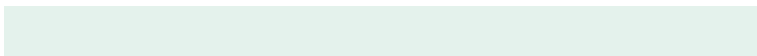
86.0453, 0.3003, 0.3188



86.0453, 0.3183, 0.3226



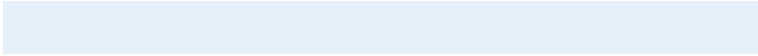
86.0453, 0.3253, 0.3392



86.0453, 0.3071, 0.3356

Rectangle

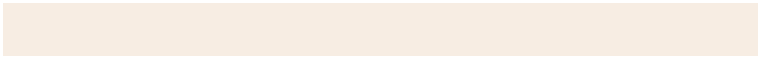
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0453, 0.3003, 0.3188



86.0453, 0.3089, 0.3176



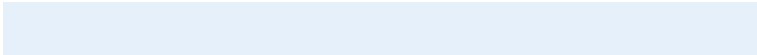
86.0453, 0.3253, 0.3392



86.0453, 0.3164, 0.3407

Sweetspot

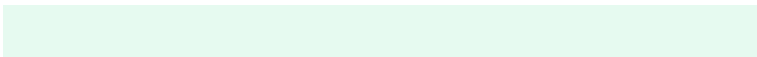
The Sweet Spot groups the original color and five complimentary colors.



86.0489, 0.3003, 0.3188



97.4270, 0.3097, 0.3265



91.5081, 0.3060, 0.3391



20.8804, 0.3098, 0.3267



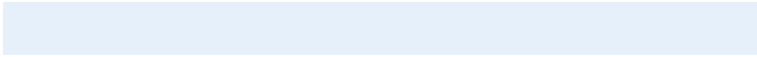
0.0000, 0.0000, 0.0000



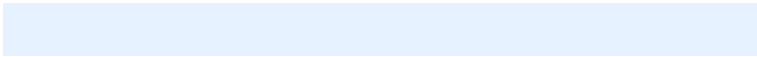
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0489, 0.3003, 0.3188



87.6026, 0.2971, 0.3161



80.3205, 0.3003, 0.3085



18.0749, 0.2980, 0.3168



11.7045, 0.1770, 0.1573



1.2960, 0.1830, 0.1789

Inverse Universe

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



83.2151, 0.3200, 0.3191



84.0005, 0.3221, 0.3166



94.4365, 0.3246, 0.3487



17.3698, 0.3215, 0.3172



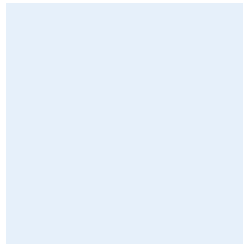
11.5925, 0.4965, 0.2509



1.0951, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 86.0453, 0.3003, 0.3188 looks on a white background.

Color Contrast Check

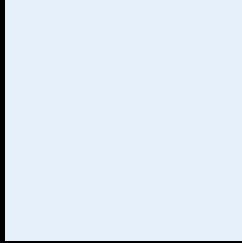
Large Text (above 18pt) WCAG AA × Fail

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 86.0453, 0.3003, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

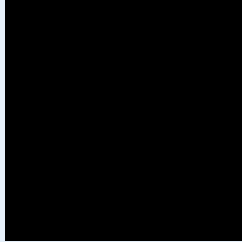
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

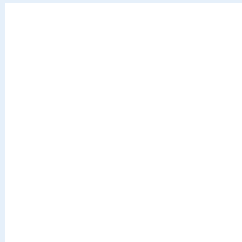
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0453, 0.3003, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 86.0453, 0.3003, 0.3188.



This preview shows how white text looks on a background with the Yxy color 86.0453, 0.3003, 0.3188.

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

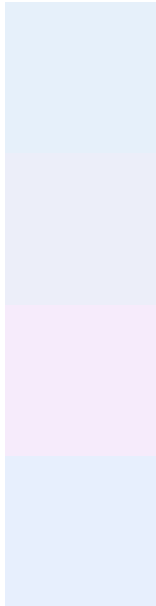




Tritanopia

86.1088, 0.2987, 0.3129

Trichromacy



Original Color

86.0453, 0.3003, 0.3188

Protanomaly

85.8215, 0.3048, 0.3179

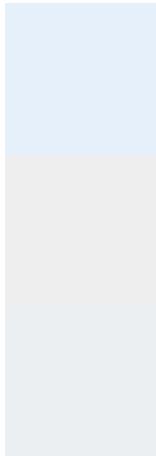
Deuteranomaly

85.9745, 0.3101, 0.3132

Tritanomaly

85.8138, 0.2992, 0.3148

Monochromacy



Original Color

86.0453, 0.3003, 0.3188

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8060, 0.3083, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0453, 0.3003, 0.3188 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(230, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(230, 240, 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(230, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 240, 250) }
```

Border

The CSS property to change the border of an element to Yxy 86.0453, 0.3003, 0.3188 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(230, 240, 250) }
```

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

```
.border{ border-color:rgb(230, 240, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 240, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(230, 240,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0453, 0.3003, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 240, 250) }
```

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

```
.background{ background-color: rgb(230,  
240, 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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