

Converting Colors

Yxy(84.9220, 0.3057, 0.3178)

Have a look what the booklet for
Yxy(84.9220, 0.3057, 0.3178)
contains.

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Color

Yxy(85.1786, 0.3054, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	ECEDF8
RGB	236, 237, 248
RGB Percent	93%, 93%, 97%
CMY	0.0743, 0.0706, 0.0275
CMYK	0.05, 0.04, 0.00, 0.03
HSL	235°, 46%, 95%
HSV	235°, 5%, 97%
XYZ	81.8293, 85.1786, 100.9336
YIQ	237.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

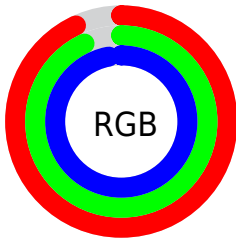
Format	Color
R _Y B	236, 237, 248
Decimal	15527416
CIE Lab	93.96, 1.69, -5.42
CIE LCh	94, 5.681, 287.318
Yxy	85.1786, 0.3054, 0.3179
Android (android.graphics.Color)	4293717496 (0xFFECEF8)
YUV	237.9550, 4.9522, -1.7145
Hunter-Lab	92.2923, -3.2475, -0.2367

Details

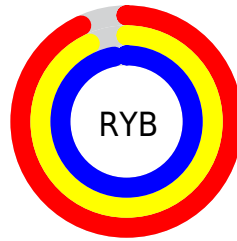
The Yxy color **85.1786, 0.3054, 0.3179** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.5660, 0.3199, 0.3399**, and the grayscale version is **85.4334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5568, 0.3033, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **68.8397, 0.2888, 0.2925**, and if you desaturate by 10%, it is **99.5573, 0.3168, 0.3357**.

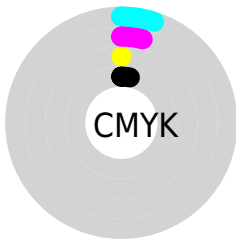
Distribution



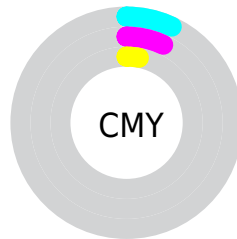
- Red (93%)
- Green (93%)
- Blue (97%)



- Red (93%)
- Yellow (93%)
- Blue (97%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1786, 0.3054, 0.3179 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 85.1786, 0.3054, 0.3179 by changing the saturation by 10% instead.

85.1786, 0.3054,
0.3179

85.1786, 0.3054,
0.3179

512.2189, 0.3087,
0.3229

63.9890, 0.3047,
0.3168

140.6227, 0.3065,
0.3196

46.6417, 0.3038,
0.3155

175.6459, 0.3070,
0.3203

32.7525, 0.3026,
0.3138

216.0491, 0.3074,
0.3208

21.9369, 0.3012,
0.3116

262.2167, 0.3077,
0.3214

13.8106, 0.2993,
0.3088

314.5331, 0.3080,
0.3218

7.9890, 0.2966,
0.3048

373.3827, 0.3083,

4.0879, 0.2926,

0.3222

0.2989

439.1498, 0.3085,
0.3226

■ 1.7229, 0.2859,
0.2892

■ 0.4384, 0.2613,
0.2501

■ 85.1786, 0.3054,
0.3179

■ 85.1786, 0.3054,
0.3179

■ 68.8397, 0.2888,
0.2925

■ 99.5573, 0.3168,
0.3357

■ 54.6821, 0.2704,
0.2640

■ 42.6165, 0.2505,
0.2327

■ 32.5436, 0.2297,
0.1995

■ 24.3560, 0.2089,
0.1658

■ 17.9359, 0.1895,
0.1335

■ 13.1524, 0.1730,
0.1052

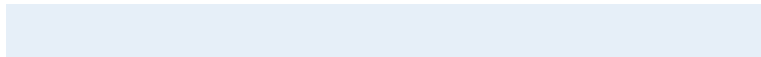
■ 9.8564, 0.1607,
0.0831

■ 7.8707, 0.1533,
0.0685

Harmonies

Analogous

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



85.1786, 0.3013, 0.3195



85.1786, 0.3054, 0.3179



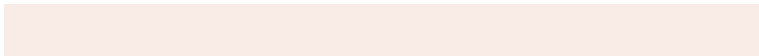
85.1786, 0.3115, 0.3192

Triad

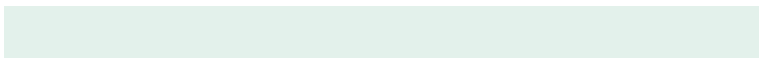
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1786, 0.3054, 0.3179



85.1786, 0.3254, 0.3342



85.1786, 0.3074, 0.3350

Complementary

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



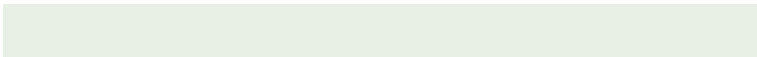
85.1786, 0.3054, 0.3179



92.5660, 0.3199, 0.3399

Split Complementary

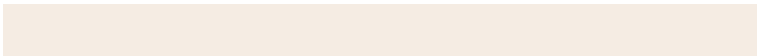
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1786, 0.3138, 0.3391



85.1786, 0.3054, 0.3179



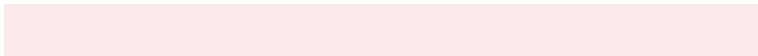
85.1786, 0.3243, 0.3385

Square

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



85.1786, 0.3054, 0.3179



85.1786, 0.3231, 0.3286



85.1786, 0.3200, 0.3403



85.1786, 0.3024, 0.3293

Rectangle

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



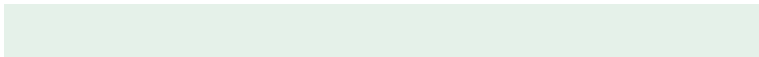
85.1786, 0.3054, 0.3179



85.1786, 0.3159, 0.3216



85.1786, 0.3200, 0.3403



85.1786, 0.3094, 0.3366

Sweetspot

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



85.1822, 0.3054, 0.3179



98.0312, 0.3112, 0.3268



91.6903, 0.3058, 0.3300



21.0035, 0.3113, 0.3269



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.



85.1822, 0.3054, 0.3179



88.5544, 0.3035, 0.3151



85.4978, 0.3087, 0.3171



17.9055, 0.3025, 0.3135



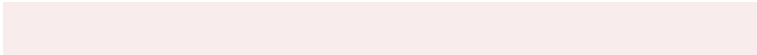
4.0031, 0.1514, 0.0650



0.4448, 0.1546, 0.0763

Inverse Universe

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



86.0858, 0.3201, 0.3281



89.7496, 0.3221, 0.3278



92.2510, 0.3166, 0.3409



18.1760, 0.3232, 0.3277



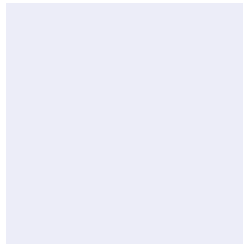
10.8150, 0.6316, 0.3253



1.0091, 0.6129, 0.3150

Previews

White Background



This preview shows how the Yxy color 85.1786, 0.3054, 0.3179 looks on a white background.

Color Contrast Check

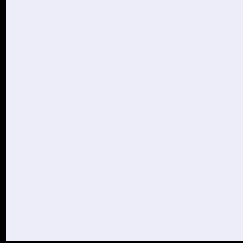
Large Text (above 18pt) WCAG AA × Fail

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 85.1786, 0.3054, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

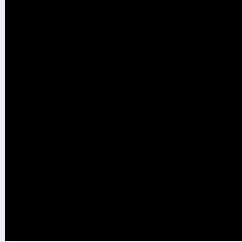
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

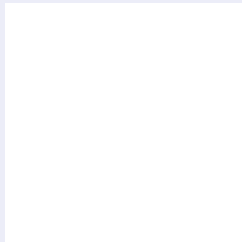
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1786, 0.3054, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 85.1786, 0.3054, 0.3179.

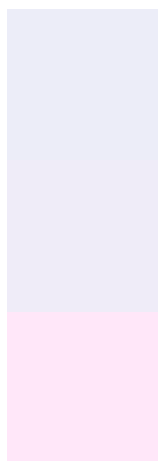


This preview shows how white text looks on a background with the Yxy color 85.1786, 0.3054, 0.3179.

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

85.1786, 0.3054, 0.3179

Protanopia

85.1189, 0.3073, 0.3170

Deuteranopia

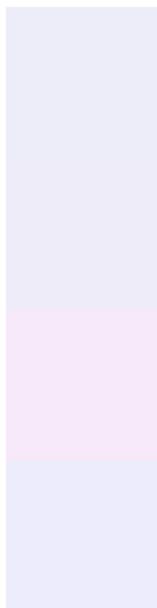
85.2514, 0.3176, 0.3115



Tritanopia

85.2154, 0.3019, 0.3100

Trichromacy



Original Color

85.1786, 0.3054, 0.3179

Protanomaly

84.9454, 0.3067, 0.3169

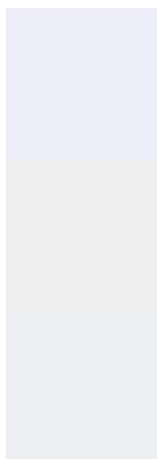
Deuteranomaly

85.0738, 0.3128, 0.3132

Tritanomaly

85.0237, 0.3036, 0.3130

Monochromacy



Original Color

85.1786, 0.3054, 0.3179

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5644, 0.3096, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1786, 0.3054, 0.3179 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(236, 237, 248)` looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 248)  
}
```

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(236, 237, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.1786, 0.3054, 0.3179 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(236, 237, 248) }
```

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

```
.border{ border-color:rgb(236, 237, 248) }
```

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

Here you see how a box with a 4 pixel rgb(236, 237, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 248);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1786, 0.3054, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 248) }
```

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

```
.background{ background-color: rgb(236,  
237, 248) }
```

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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