

Converting Colors

$Yxy(85.8705, 0.3094, 0.3234)$

Have a look what the booklet for
Yxy(85.8705, 0.3094, 0.3234)
contains.

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Color

Yxy(85.8579, 0.3091, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEF4
RGB	238, 238, 244
RGB Percent	93%, 93%, 96%
CMY	0.0666, 0.0666, 0.0433
CMYK	0.02, 0.02, 0.00, 0.04
HSL	240°, 21%, 95%
HSV	240°, 2%, 96%
XYZ	82.1631, 85.8579, 97.7929
YIQ	238.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

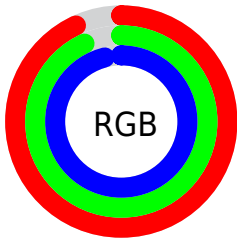
Format	Color
R _{YB}	238, 238, 244
Decimal	15658740
CIE Lab	94.25, 1.08, -2.88
CIE LCh	94, 3.073, 290.583
Yxy	85.8579, 0.3091, 0.3230
Android (android.graphics.Color)	4293848820 (0xFFEEEEF4)
YUV	238.6840, 2.6208, -0.5999
Hunter-Lab	92.6595, -3.8746, 2.2870

Details

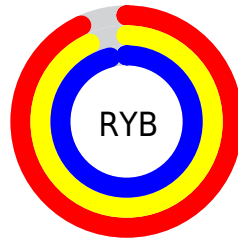
The Yxy color **85.8579, 0.3091, 0.3230** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.0698, 0.3163, 0.3349**, and the grayscale version is **86.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0318, 0.3080, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **68.6753, 0.2930, 0.2962**, and if you desaturate by 10%, it is **99.3089, 0.3191, 0.3396**.

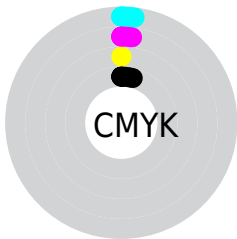
Distribution



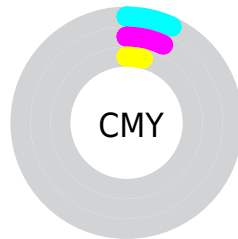
- Red (93%)
- Green (93%)
- Blue (96%)



- Red (93%)
- Yellow (93%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8579, 0.3091, 0.3230 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 85.8579, 0.3091, 0.3230 by changing the saturation by 10% instead.

85.8579, 0.3091,
0.3230

85.8579, 0.3091,
0.3230

514.4625, 0.3107,
0.3257

64.5505, 0.3087,
0.3224

141.5712, 0.3097,
0.3239

47.0967, 0.3083,
0.3217

176.7458, 0.3099,
0.3243

33.1121, 0.3077,
0.3208

217.3116, 0.3101,
0.3246

22.2123, 0.3070,
0.3196

263.6531, 0.3102,
0.3249

14.0130, 0.3061,
0.3180

316.1545, 0.3104,
0.3251

8.1297, 0.3048,
0.3159

375.2003, 0.3105,

4.1781, 0.3028,

0.3253

0.3127

441.1748, 0.3106,
0.3255

■ 1.7737, 0.2995,
0.3074

■ 0.4707, 0.2857,
0.2839

■ 85.8579, 0.3091,
0.3230

■ 85.8579, 0.3091,
0.3230

■ 68.6753, 0.2930,
0.2962

■ 99.3089, 0.3191,
0.3396

■ 53.8831, 0.2747,
0.2660

■ 41.3788, 0.2546,
0.2327

■ 31.0481, 0.2332,
0.1973

■ 22.7671, 0.2116,
0.1615

■ 16.3993, 0.1912,
0.1278

■ 11.7919, 0.1737,
0.0989

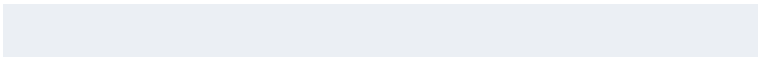
■ 8.7683, 0.1607,
0.0774

■ 7.1158, 0.1529,
0.0647

Harmonies

Analogous

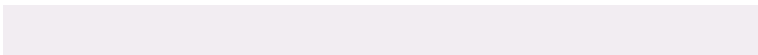
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8579, 0.3067, 0.3237



85.8579, 0.3091, 0.3230



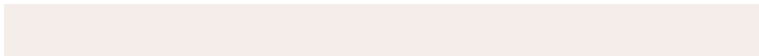
85.8579, 0.3125, 0.3239

Triad

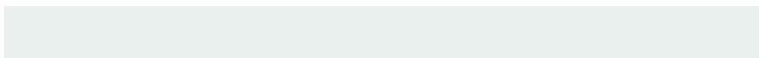
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8579, 0.3091, 0.3230



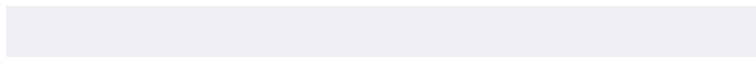
85.8579, 0.3196, 0.3321



85.8579, 0.3095, 0.3319

Complementary

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



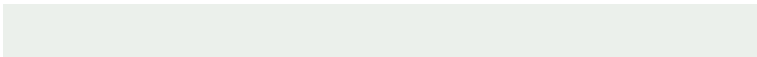
85.8579, 0.3091, 0.3230



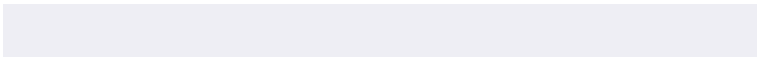
90.0698, 0.3163, 0.3349

Split Complementary

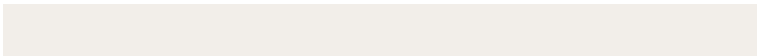
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8579, 0.3129, 0.3342



85.8579, 0.3091, 0.3230



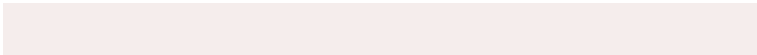
85.8579, 0.3188, 0.3343

Square

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



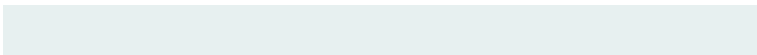
85.8579, 0.3091, 0.3230



85.8579, 0.3186, 0.3291



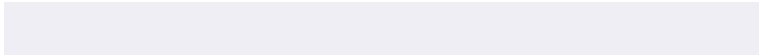
85.8579, 0.3163, 0.3351



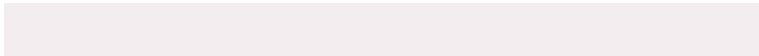
85.8579, 0.3069, 0.3289

Rectangle

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



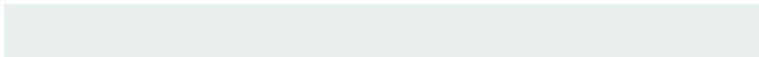
85.8579, 0.3091, 0.3230



85.8579, 0.3148, 0.3253



85.8579, 0.3163, 0.3351



85.8579, 0.3106, 0.3328

Sweetspot

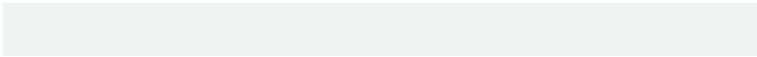
The Sweet Spot groups the original color and five complimentary colors.



85.8616, 0.3091, 0.3230



97.9048, 0.3112, 0.3266



89.3814, 0.3089, 0.3290



20.9777, 0.3113, 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.



85.8616, 0.3091, 0.3230



93.7978, 0.3082, 0.3216



86.3778, 0.3110, 0.3230



18.0734, 0.3070, 0.3196



3.5552, 0.1501, 0.0601



0.3133, 0.1503, 0.0602

Inverse Universe

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



86.9046, 0.3130, 0.3231



95.2143, 0.3131, 0.3217



89.5451, 0.3144, 0.3350



18.4219, 0.3132, 0.3198



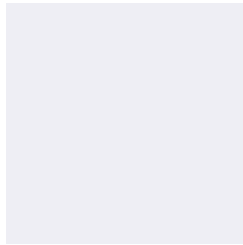
13.9857, 0.3217, 0.1546



1.2295, 0.3216, 0.1545

Previews

White Background



This preview shows how the Yxy color 85.8579, 0.3091, 0.3230 looks on a white background.

Color Contrast Check

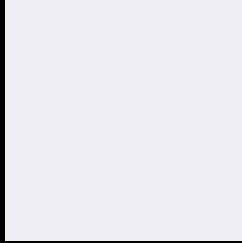
Large Text (above 18pt) WCAG AA × Fail

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 85.8579, 0.3091, 0.3230 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

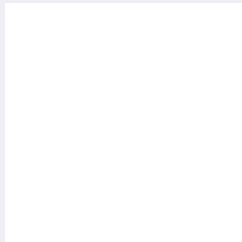
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8579, 0.3091, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 85.8579, 0.3091, 0.3230.

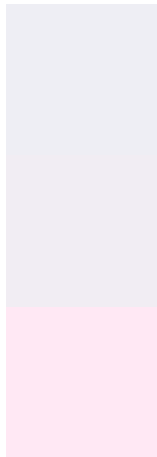


This preview shows how white text looks on a background with the Yxy color 85.8579, 0.3091, 0.3230.

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

85.8579, 0.3091, 0.3230

Protanopia

85.7402, 0.3117, 0.3230

Deuteranopia

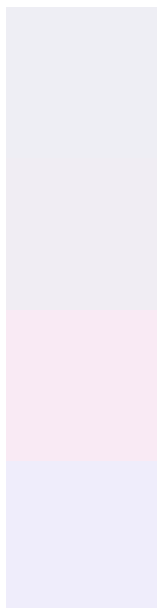
85.5049, 0.3207, 0.3173



Tritanopia

85.7362, 0.3038, 0.3101

Trichromacy



Original Color

85.8579, 0.3091, 0.3230

Protanomaly

85.5647, 0.3110, 0.3230

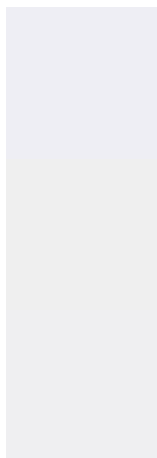
Deuteranomaly

85.5170, 0.3165, 0.3191

Tritanomaly

85.8841, 0.3055, 0.3150

Monochromacy



Original Color

85.8579, 0.3091, 0.3230

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4346, 0.3115, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8579, 0.3091, 0.3230 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(238, 238, 244)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 244)  
}
```

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(238, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 244) }
```

Border

The CSS property to change the border of an element to Yxy 85.8579, 0.3091, 0.3230 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(238, 238, 244) }
```

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

```
.border{ border-color:rgb(238, 238, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8579, 0.3091, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 244) }
```

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

```
.background{ background-color: rgb(238,  
238, 244) }
```

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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