

Converting Colors

$Y_{xy}(85.3278, 0.3087, 0.3209)$

Have a look what the booklet for
Yxy(85.3278, 0.3087, 0.3209)
contains.

Yxy(85.3381, 0.3085, 0.3209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.3381, 0.3085, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	EEEDF5
RGB	238, 237, 245
RGB Percent	93%, 93%, 96%
CMY	0.0665, 0.0706, 0.0391
CMYK	0.03, 0.03, 0.00, 0.04
HSL	248°, 29%, 95%
HSV	248°, 3%, 96%
XYZ	82.0405, 85.3381, 98.5550
YIQ	238.2110, -1.9720, 2.7000

Conversions

Conversions Part 2

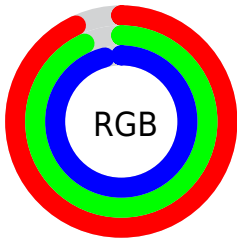
Format	Color
R _Y B	238, 237, 245
Decimal	15658485
CIE Lab	94.03, 1.80, -3.76
CIE LCh	94, 4.171, 295.629
Yxy	85.3381, 0.3085, 0.3209
Android (android.graphics.Color)	4293848565 (0xFFEEEDF5)
YUV	238.2110, 3.3470, -0.1850
Hunter-Lab	92.3786, -3.1385, 1.4109

Details

The Yxy color **85.3381, 0.3085, 0.3209** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.6626, 0.3169, 0.3370**, and the grayscale version is **85.6550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6670, 0.3073, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **68.6424, 0.2944, 0.2941**, and if you desaturate by 10%, it is **99.3743, 0.3185, 0.3386**.

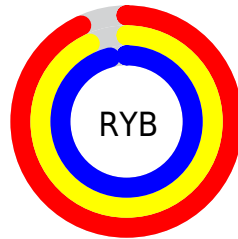
Distribution



Red (93%)

Green (93%)

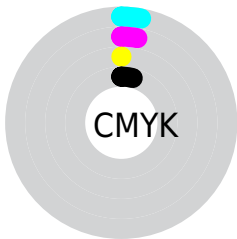
Blue (96%)



Red (93%)

Yellow (93%)

Blue (96%)

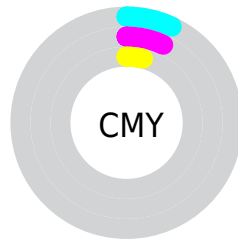


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (7%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3381, 0.3085, 0.3209 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 85.3381, 0.3085, 0.3209 by changing the saturation by 10% instead.

85.3381, 0.3085,
0.3209

85.3381, 0.3085,
0.3209

512.7462, 0.3104,
0.3245

64.1208, 0.3081,
0.3201

140.8455, 0.3092,
0.3221

46.7485, 0.3076,
0.3191

175.9043, 0.3094,
0.3226

32.8369, 0.3069,
0.3179

216.3457, 0.3096,
0.3231

22.0015, 0.3061,
0.3163

262.5542, 0.3098,
0.3234

13.8580, 0.3050,
0.3142

314.9141, 0.3100,
0.3238

8.0220, 0.3034,
0.3113

373.8098, 0.3101,

4.1090, 0.3010,

0.3240

0.3070

439.6257, 0.3103,
0.3243

■ 1.7347, 0.2971,
0.2999

■ 0.4460, 0.2815,
0.2683

■ 85.3381, 0.3085,
0.3209

■ 85.3381, 0.3085,
0.3209

■ 68.6424, 0.2944,
0.2941

■ 99.3743, 0.3185,
0.3386

■ 54.2234, 0.2783,
0.2643

■ 41.9855, 0.2604,
0.2317

■ 31.8221, 0.2410,
0.1974

■ 23.6174, 0.2210,
0.1630

■ 17.2442, 0.2014,
0.1304

■ 12.5605, 0.1836,
0.1023

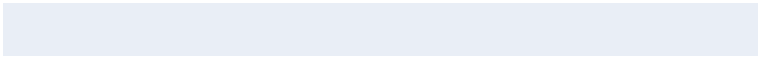
■ 9.4026, 0.1691,
0.0809

■ 7.5739, 0.1587,
0.0674

Harmonies

Analogous

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



85.3381, 0.3049, 0.3215



85.3381, 0.3085, 0.3209



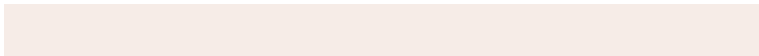
85.3381, 0.3132, 0.3225

Triad

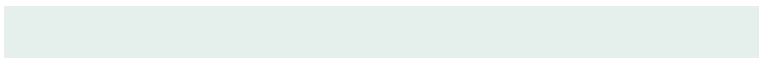
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3381, 0.3085, 0.3209



85.3381, 0.3221, 0.3339



85.3381, 0.3076, 0.3323

Complementary

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



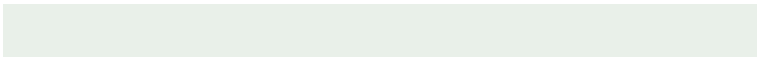
85.3381, 0.3085, 0.3209



90.6626, 0.3169, 0.3370

Split Complementary

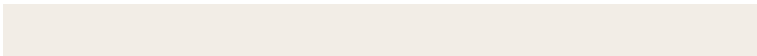
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3381, 0.3122, 0.3357



85.3381, 0.3085, 0.3209



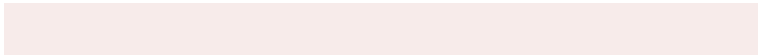
85.3381, 0.3205, 0.3366

Square

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



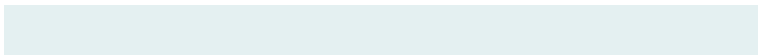
85.3381, 0.3085, 0.3209



85.3381, 0.3211, 0.3299



85.3381, 0.3169, 0.3373



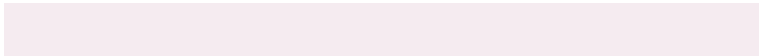
85.3381, 0.3045, 0.3281

Rectangle

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



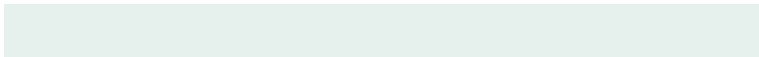
85.3381, 0.3085, 0.3209



85.3381, 0.3164, 0.3245



85.3381, 0.3169, 0.3373



85.3381, 0.3091, 0.3336

Sweetspot

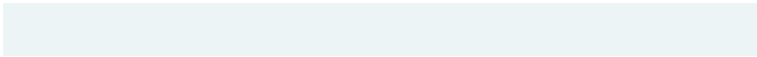
The Sweet Spot groups the original color and five complimentary colors.



85.3417, 0.3085, 0.3209



97.9664, 0.3114, 0.3266



89.3523, 0.3076, 0.3280



20.9903, 0.3115, 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.



85.3417, 0.3085, 0.3209



92.0230, 0.3075, 0.3191



86.0238, 0.3111, 0.3210



17.7585, 0.3066, 0.3172



3.7526, 0.1550, 0.0628



0.3621, 0.1639, 0.0676

Inverse Universe

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



86.5090, 0.3137, 0.3221



93.5775, 0.3140, 0.3205



89.9729, 0.3143, 0.3371



18.1173, 0.3142, 0.3190



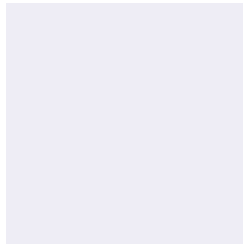
13.0522, 0.3573, 0.1742



1.1574, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 85.3381, 0.3085, 0.3209 looks on a white background.

Color Contrast Check

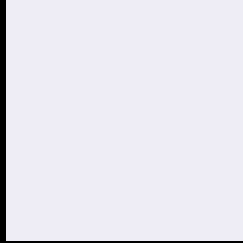
Large Text (above 18pt) WCAG AA × Fail

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 85.3381, 0.3085, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

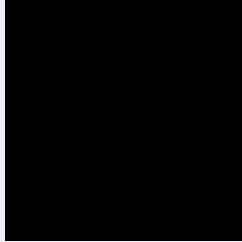
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

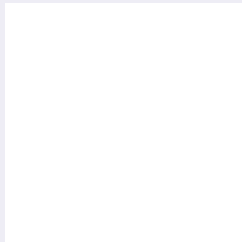
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3381, 0.3085, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 85.3381, 0.3085, 0.3209.

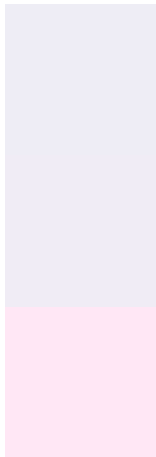


This preview shows how white text looks on a background with the Yxy color 85.3381, 0.3085, 0.3209.

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

85.3381, 0.3085, 0.3209

Protanopia

85.1087, 0.3098, 0.3200

Deuteranopia

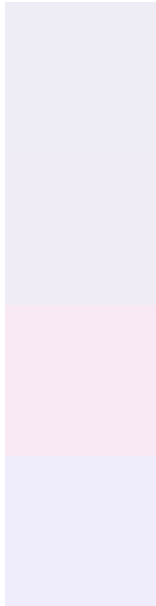
85.0044, 0.3202, 0.3154



Tritanopia

85.4974, 0.3037, 0.3111

Trichromacy



Original Color

85.3381, 0.3085, 0.3209

Protanomaly

84.9342, 0.3092, 0.3199

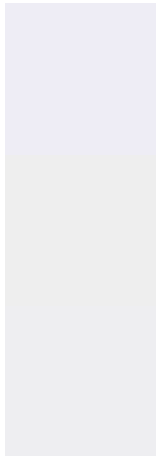
Deuteranomaly

85.0101, 0.3160, 0.3172

Tritanomaly

85.3067, 0.3055, 0.3140

Monochromacy



Original Color

85.3381, 0.3085, 0.3209

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.6771, 0.3109, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3381, 0.3085, 0.3209 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, 237, 245)` looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 245)  
}
```

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, 237, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 245) }
```

Border

The CSS property to change the border of an element to Yxy 85.3381, 0.3085, 0.3209 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, 237, 245) }
```

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

```
.border{ border-color:rgb(238, 237, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 245);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3381, 0.3085, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 245) }
```

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

```
.background{ background-color: rgb(238,  
237, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor