

Converting Colors

$Yxy(85.5193, 0.3052, 0.3192)$

Have a look what the booklet for
Yxy(85.5193, 0.3052, 0.3192)
contains.

Yxy(85.5885, 0.3047, 0.3189)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5885, 0.3047, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	EBEEF8
RGB	235, 238, 248
RGB Percent	92%, 93%, 97%
CMY	0.0785, 0.0666, 0.0274
CMYK	0.05, 0.04, 0.00, 0.03
HSL	226°, 48%, 95%
HSV	226°, 5%, 97%
XYZ	81.7774, 85.5885, 101.0207
YIQ	238.2430, -4.9980, 2.4740

Conversions

Conversions Part 2

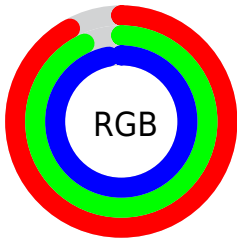
Format	Color
R _Y B	235, 237, 248
Decimal	15462136
CIE Lab	94.14, 0.83, -5.18
CIE LCh	94, 5.242, 279.125
Yxy	85.5885, 0.3047, 0.3189
Android (android.graphics.Color)	4293652216 (0xFFEBEEF8)
YUV	238.2430, 4.8102, -2.8441
Hunter-Lab	92.5141, -4.1153, 0.0181

Details

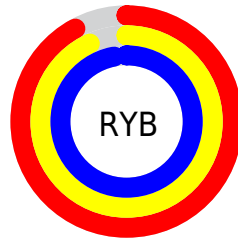
The Yxy color **85.5885, 0.3047, 0.3189** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.2560, 0.3207, 0.3389**, and the grayscale version is **85.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8454, 0.3025, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **71.1444, 0.2883, 0.2977**, and if you desaturate by 10%, it is **99.5577, 0.3168, 0.3357**.

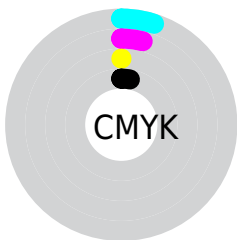
Distribution



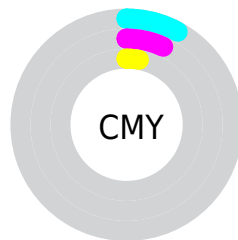
- Red (92%)
- Green (93%)
- Blue (97%)



- Red (92%)
- Yellow (93%)
- Blue (97%)



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



- Cyan (8%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5885, 0.3047, 0.3189 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 85.5885, 0.3047, 0.3189 by changing the saturation by 10% instead.

85.5885, 0.3047,
0.3189

85.5885, 0.3047,
0.3189

513.5734, 0.3083,
0.3234

64.3278, 0.3039,
0.3179

141.1951, 0.3059,
0.3204

46.9162, 0.3029,
0.3167

176.3098, 0.3064,
0.3211

32.9694, 0.3017,
0.3151

216.8112, 0.3068,
0.3216

22.1030, 0.3001,
0.3132

263.0837, 0.3072,
0.3220

13.9326, 0.2980,
0.3106

315.5118, 0.3075,
0.3225

8.0738, 0.2951,
0.3070

374.4799, 0.3078,

4.1422, 0.2908,

0.3228

0.3016

440.3723, 0.3081,
0.3231

■ 1.7534, 0.2836,
0.2927

■ 0.4579, 0.2568,
0.2581

■ 85.5885, 0.3047,
0.3189

■ 85.5885, 0.3047,
0.3189

■ 71.1444, 0.2883,
0.2977

■ 99.5577, 0.3168,
0.3357

■ 58.3993, 0.2706,
0.2740

■ 47.2927, 0.2519,
0.2479

■ 37.7564, 0.2326,
0.2199

■ 29.7171, 0.2136,
0.1908

■ 23.0956, 0.1958,
0.1617

■ 17.8047, 0.1801,
0.1342

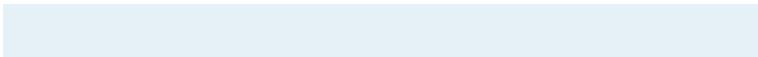
■ 13.7466, 0.1678,
0.1099

■ 10.8080, 0.1592,
0.0902

Harmonies

Analogous

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



85.5885, 0.3016, 0.3211



85.5885, 0.3047, 0.3189



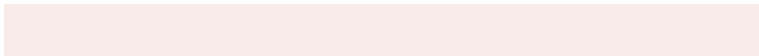
85.5885, 0.3100, 0.3194

Triad

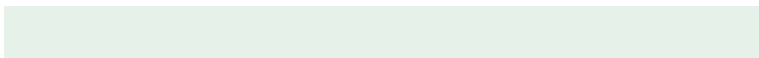
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5885, 0.3047, 0.3189



85.5885, 0.3242, 0.3324



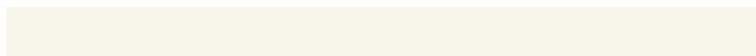
85.5885, 0.3093, 0.3358

Complementary

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



85.5885, 0.3047, 0.3189



91.2560, 0.3207, 0.3389

Split Complementary

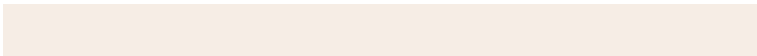
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5885, 0.3154, 0.3389



85.5885, 0.3047, 0.3189



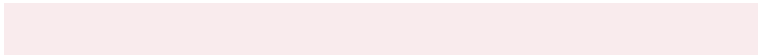
85.5885, 0.3240, 0.3369

Square

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



85.5885, 0.3047, 0.3189



85.5885, 0.3212, 0.3272



85.5885, 0.3208, 0.3392



85.5885, 0.3042, 0.3308

Rectangle

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



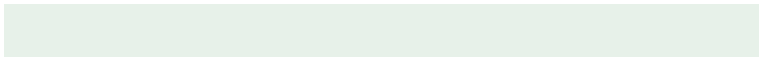
85.5885, 0.3047, 0.3189



85.5885, 0.3140, 0.3212



85.5885, 0.3208, 0.3392



85.5885, 0.3113, 0.3371

Sweetspot

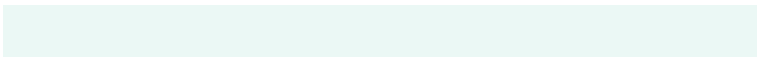
The Sweet Spot groups the original color and five complimentary colors.



85.5921, 0.3047, 0.3189



96.5705, 0.3097, 0.3252



91.3905, 0.3063, 0.3320



20.7060, 0.3099, 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.



85.5921, 0.3047, 0.3189



89.9395, 0.3035, 0.3174



84.4486, 0.3070, 0.3159



18.2172, 0.3025, 0.3161



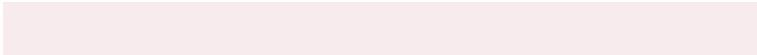
5.4399, 0.1570, 0.0850



0.6578, 0.1629, 0.1064

Inverse Universe

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



85.5444, 0.3196, 0.3260



89.8894, 0.3206, 0.3256



92.4656, 0.3182, 0.3419



18.2074, 0.3216, 0.3252



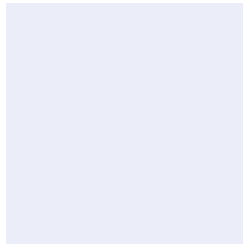
10.9601, 0.5990, 0.3073



1.0306, 0.5663, 0.2893

Previews

White Background



This preview shows how the Yxy color 85.5885, 0.3047, 0.3189 looks on a white background.

Color Contrast Check

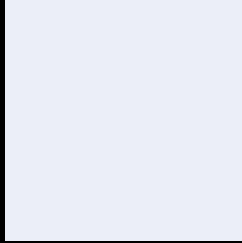
Large Text (above 18pt) WCAG AA × Fail

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 85.5885, 0.3047, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

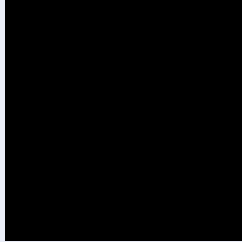
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

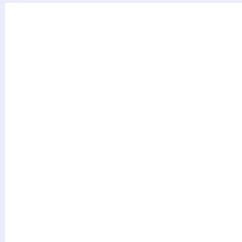
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5885, 0.3047, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 85.5885, 0.3047, 0.3189.

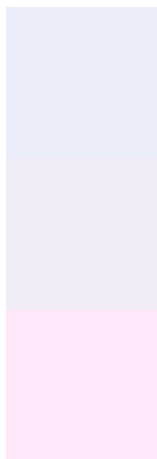


This preview shows how white text looks on a background with the Yxy color 85.5885, 0.3047, 0.3189.

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

85.5885, 0.3047, 0.3189

Protanopia

85.8090, 0.3086, 0.3190

Deuteranopia

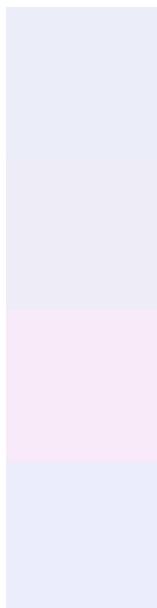
85.2514, 0.3176, 0.3115



Tritanopia

85.6212, 0.3012, 0.3110

Trichromacy



Original Color

85.5885, 0.3047, 0.3189

Protanomaly

85.4609, 0.3073, 0.3189

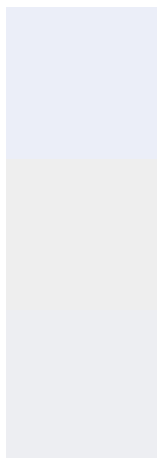
Deuteranomaly

85.6416, 0.3127, 0.3142

Tritanomaly

85.4295, 0.3030, 0.3139

Monochromacy



Original Color

85.5885, 0.3047, 0.3189

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 85.5885, 0.3047, 0.3189 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(235, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 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(235, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 248) }
```

Border

The CSS property to change the border of an element to Yxy 85.5885, 0.3047, 0.3189 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(235, 238, 248) }
```

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

```
.border{ border-color:rgb(235, 238, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 248);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5885, 0.3047, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 248) }
```

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

```
.background{ background-color: rgb(235,  
238, 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](#).

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