

Converting Colors

$Yxy(85.7321, 0.3097, 0.3250)$

Have a look what the booklet for
Yxy(85.7321, 0.3097, 0.3250)
contains.

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Color

Yxy(85.5644, 0.3096, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	EDEF2
RGB	237, 238, 242
RGB Percent	93%, 93%, 95%
CMY	0.0708, 0.0666, 0.0511
CMYK	0.02, 0.02, 0.00, 0.05
HSL	227°, 16%, 94%
HSV	227°, 2%, 95%
XYZ	81.5100, 85.5644, 96.2007
YIQ	238.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

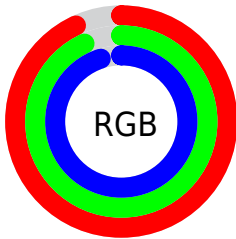
Format	Color
R _Y B	237, 238, 242
Decimal	15593202
CIE Lab	94.13, 0.36, -2.04
CIE LCh	94, 2.071, 279.922
Yxy	85.5644, 0.3096, 0.3250
Android (android.graphics.Color)	4293783282 (0xFFEDEF2)
YUV	238.1570, 1.8946, -1.0147
Hunter-Lab	92.5010, -4.5863, 3.0893

Details

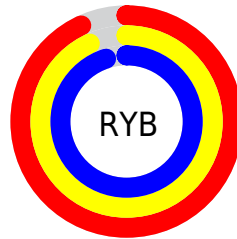
The Yxy color **85.5644, 0.3096, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.8332, 0.3158, 0.3330**, and the grayscale version is **85.6100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8248, 0.3087, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **71.1850, 0.2937, 0.3042**, and if you desaturate by 10%, it is **99.1891, 0.3203, 0.3415**.

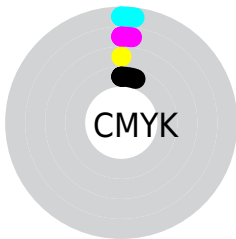
Distribution



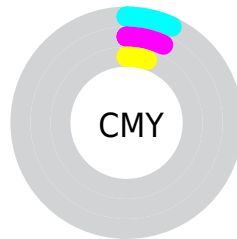
- Red (93%)
- Green (93%)
- Blue (95%)



- Red (93%)
- Yellow (93%)
- Blue (95%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5644, 0.3096, 0.3250 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 85.5644, 0.3096, 0.3250 by changing the saturation by 10% instead.

85.5644, 0.3096,
0.3250

85.5644, 0.3096,
0.3250

513.4938, 0.3110,
0.3268

64.3078, 0.3093,
0.3246

141.1615, 0.3101,
0.3256

46.9000, 0.3089,
0.3241

176.2707, 0.3103,
0.3259

32.9566, 0.3084,
0.3235

216.7664, 0.3104,
0.3261

22.0932, 0.3078,
0.3227

263.0328, 0.3106,
0.3263

13.9254, 0.3070,
0.3217

315.4543, 0.3107,
0.3264

8.0688, 0.3059,
0.3202

374.4154, 0.3108,

4.1390, 0.3041,

0.3266

0.3180

440.3004, 0.3109,
0.3267

■ 1.7516, 0.3013,
0.3144

■ 0.4568, 0.2876,
0.2967

■ 85.5644, 0.3096,
0.3250

■ 85.5644, 0.3096,
0.3250

■ 71.1850, 0.2937,
0.3042

■ 99.1891, 0.3203,
0.3415

■ 58.4752, 0.2763,
0.2808

■ 47.3767, 0.2578,
0.2548

■ 37.8239, 0.2385,
0.2268

■ 29.7464, 0.2191,
0.1973

■ 23.0684, 0.2006,
0.1676

■ 17.7066, 0.1840,
0.1391

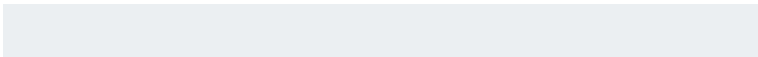
■ 13.5687, 0.1704,
0.1136

■ 10.5485, 0.1606,
0.0926

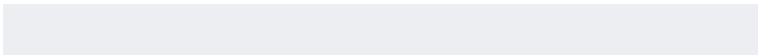
Harmonies

Analogous

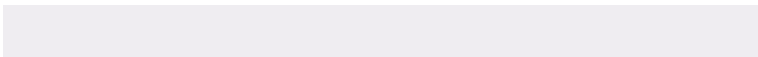
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5644, 0.3083, 0.3259



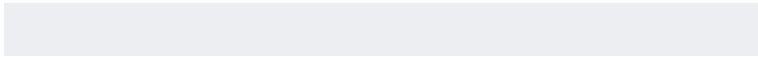
85.5644, 0.3096, 0.3250



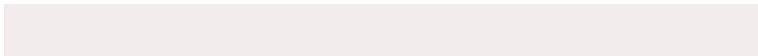
85.5644, 0.3117, 0.3252

Triad

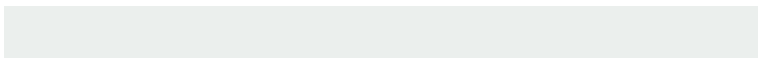
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5644, 0.3096, 0.3250



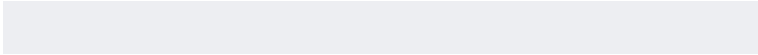
85.5644, 0.3172, 0.3305



85.5644, 0.3113, 0.3316

Complementary

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



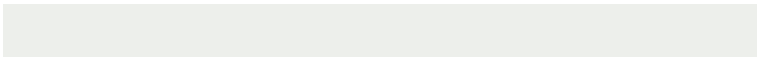
85.5644, 0.3096, 0.3250



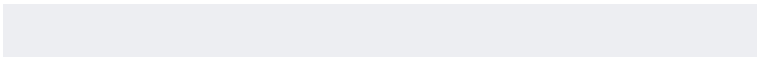
87.8332, 0.3158, 0.3330

Split Complementary

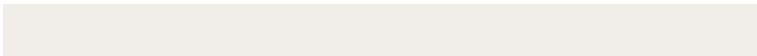
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5644, 0.3137, 0.3329



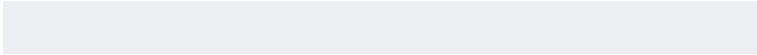
85.5644, 0.3096, 0.3250



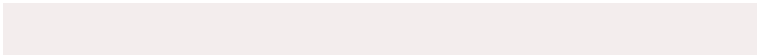
85.5644, 0.3171, 0.3322

Square

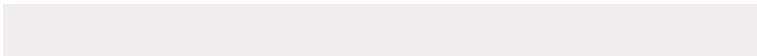
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



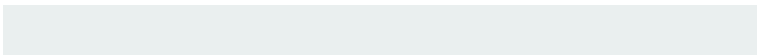
85.5644, 0.3096, 0.3250



85.5644, 0.3161, 0.3284



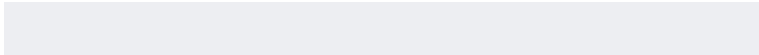
85.5644, 0.3159, 0.3331



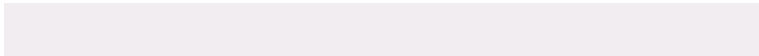
85.5644, 0.3093, 0.3297

Rectangle

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



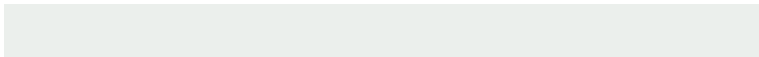
85.5644, 0.3096, 0.3250



85.5644, 0.3133, 0.3259



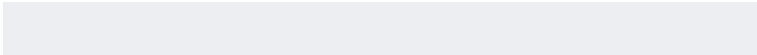
85.5644, 0.3159, 0.3331



85.5644, 0.3121, 0.3321

Sweetspot

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



85.5681, 0.3096, 0.3250



98.2476, 0.3112, 0.3271



87.8273, 0.3101, 0.3301



21.0475, 0.3113, 0.3272



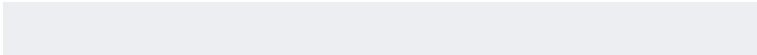
0.0000, 0.0000, 0.0000



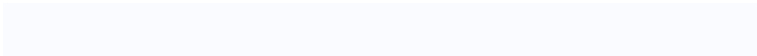
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5681, 0.3096, 0.3250



96.5148, 0.3097, 0.3251



85.1895, 0.3106, 0.3239



18.1147, 0.3099, 0.3254



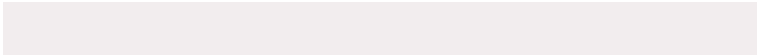
4.9152, 0.1562, 0.0821



0.5497, 0.1626, 0.1054

Inverse Universe

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



85.5855, 0.3154, 0.3279



96.5336, 0.3153, 0.3280



88.2206, 0.3148, 0.3341



18.1180, 0.3152, 0.3280



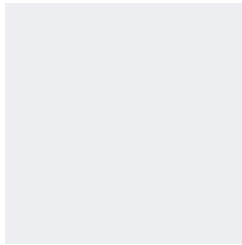
10.2895, 0.6035, 0.3098



0.8702, 0.5677, 0.2901

Previews

White Background



This preview shows how the Yxy color 85.5644, 0.3096, 0.3250 looks on a white background.

Color Contrast Check

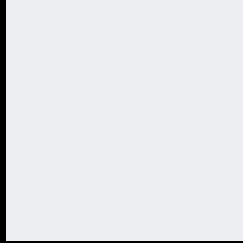
Large Text (above 18pt) WCAG AA × Fail

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 85.5644, 0.3096, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

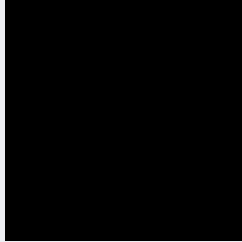
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

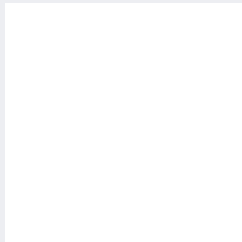
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5644, 0.3096, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 85.5644, 0.3096, 0.3250.

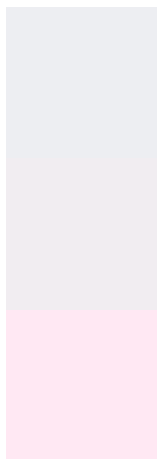


This preview shows how white text looks on a background with the Yxy color 85.5644, 0.3096, 0.3250.

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

85.5644, 0.3096, 0.3250

Protanopia

85.6200, 0.3129, 0.3250

Deuteranopia

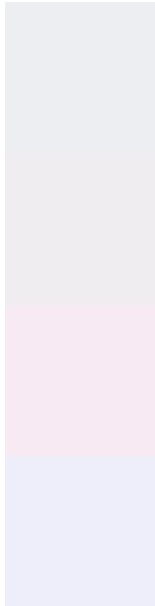
85.4443, 0.3214, 0.3183



Tritanopia

85.5616, 0.3031, 0.3101

Trichromacy



Original Color

85.5644, 0.3096, 0.3250

Protanomaly

85.4445, 0.3122, 0.3250

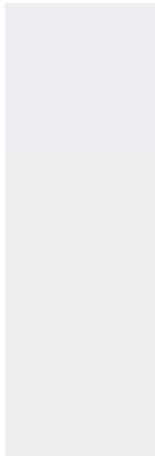
Deuteranomaly

85.2732, 0.3165, 0.3201

Tritanomaly

85.6476, 0.3055, 0.3160

Monochromacy



Original Color

85.5644, 0.3096, 0.3250

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5582, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5644, 0.3096, 0.3250 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(237, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(237, 238, 242)  
}
```

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(237, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 238, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.5644, 0.3096, 0.3250 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(237, 238, 242) }
```

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

```
.border{ border-color:rgb(237, 238, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 238, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 238, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 238, 242);  
box-shadow:4px 4px 4px 4px rgb(237, 238,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5644, 0.3096, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 238, 242) }
```

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

```
.background{ background-color: rgb(237,  
238, 242) }
```

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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