

# Converting Colors

Yxy(84.2985, 0.3128, 0.3263)

Have a look what the booklet for  
Yxy(84.2985, 0.3128, 0.3263)  
contains.

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# Color

**Yxy(84.3411, 0.3128, 0.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEECE
RGB	238, 236, 238
RGB Percent	93%, 93%, 93%
CMY	0.0668, 0.0744, 0.0667
CMYK	0.00, 0.01, 0.00, 0.07
HSL	300°, 5%, 93%
HSV	300°, 1%, 93%
XYZ	80.6786, 84.3411, 92.9042
YIQ	236.8260, 0.5500, 1.0460

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	238, 236, 238
Decimal	15658222
CIE Lab	93.60, 1.01, -0.73
CIE LCh	94, 1.247, 324.055
Yxy	84.3411, 0.3128, 0.3270
Android (android.graphics.Color)	4293848302 (0xFFEEEECE)
YUV	236.8260, 0.5788, 1.0296
Hunter-Lab	91.8374, -3.9044, 4.3075

# Details

The Yxy color **84.3411, 0.3128, 0.3270** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.0362, 0.3126, 0.3310**, and the grayscale version is **84.5412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9650, 0.3128, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **71.5093, 0.3138, 0.3024**, and if you desaturate by 10%, it is **95.8954, 0.3120, 0.3459**.

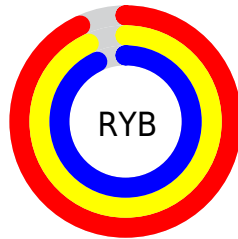
# Distribution



Red (93%)

Green (93%)

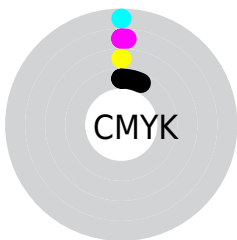
Blue (93%)



Red (93%)

Yellow (93%)

Blue (93%)

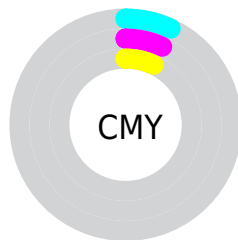


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (7%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3411, 0.3128, 0.3270 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 84.3411, 0.3128, 0.3270 by changing the saturation by 10% instead.




 84.3411, 0.3128,  
0.3270

 84.3411, 0.3128,  
0.3270


509.4453, 0.3128,  
0.3279

 63.2971, 0.3128,  
0.3268

139.4522, 0.3128,  
0.3273

 46.0816, 0.3128,  
0.3265


174.2881, 0.3128,  
0.3274

 32.3102, 0.3128,  
0.3262


214.4901, 0.3128,  
0.3275

 21.5986, 0.3128,  
0.3258

260.4426, 0.3128,  
0.3276

 13.5622, 0.3129,  
0.3253

312.5300, 0.3128,  
0.3277

 7.8168, 0.3129,  
0.3246

371.1366, 0.3128,

 3.9780, 0.3129,

0.3278

0.3235

436.6469, 0.3128,  
0.3279

■ 1.6612, 0.3130,  
0.3216

■ 0.3984, 0.3135,  
0.3096

■ 84.3411, 0.3128,  
0.3270

■ 84.3411, 0.3128,  
0.3270

■ 71.5093, 0.3138,  
0.3024

■ 95.8954, 0.3120,  
0.3459

■ 60.4282, 0.3149,  
0.2772

■ 95.9265, 0.3121,  
0.3459

■ 51.0251, 0.3158,  
0.2523

■ 95.9575, 0.3122,  
0.3459

■ 43.2179, 0.3168,  
0.2284

■ 95.9887, 0.3124,  
0.3459

36.9178, 0.3176,  
0.2066

96.0198, 0.3125,  
0.3459

32.0271, 0.3182,  
0.1879

96.0510, 0.3126,  
0.3459

28.4370, 0.3187,  
0.1729

96.0822, 0.3127,  
0.3459

26.0224, 0.3190,  
0.1622

96.1134, 0.3128,  
0.3459

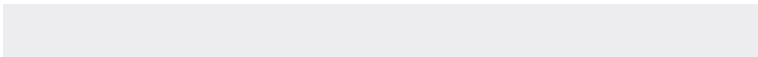
24.6339, 0.3191,  
0.1559

96.1447, 0.3129,  
0.3459

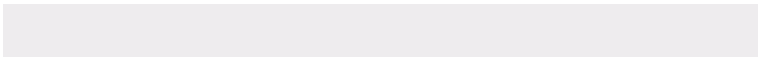
# Harmonies

## Analogous

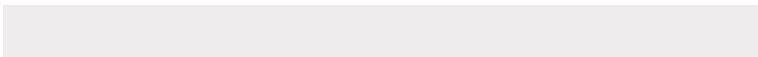
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3411, 0.3114, 0.3266



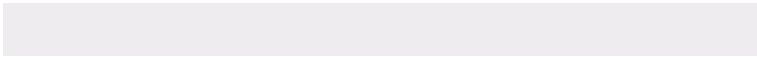
84.3411, 0.3128, 0.3270



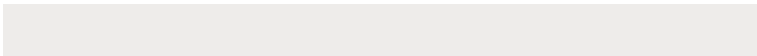
84.3411, 0.3142, 0.3280

# Triad

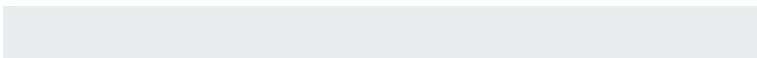
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3411, 0.3128, 0.3270



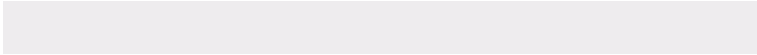
84.3411, 0.3151, 0.3313



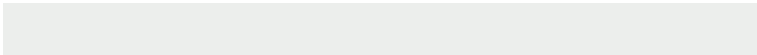
84.3411, 0.3103, 0.3288

# Complementary

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



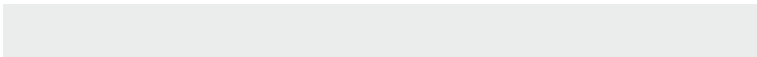
84.3411, 0.3128, 0.3270



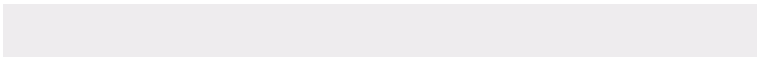
85.0362, 0.3126, 0.3310

# Split Complementary

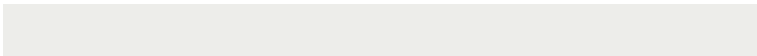
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3411, 0.3113, 0.3301



84.3411, 0.3128, 0.3270



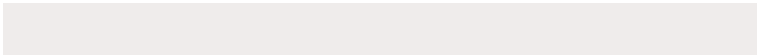
84.3411, 0.3141, 0.3315

# Square

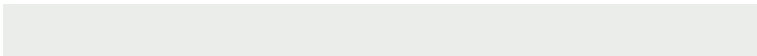
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3411, 0.3128, 0.3270



84.3411, 0.3155, 0.3304



84.3411, 0.3126, 0.3311



84.3411, 0.3099, 0.3276

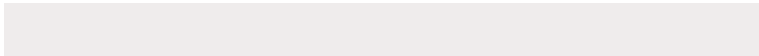


# Rectangle

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



84.3411, 0.3128, 0.3270



84.3411, 0.3149, 0.3288



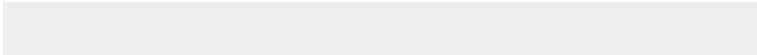
84.3411, 0.3126, 0.3311



84.3411, 0.3105, 0.3292

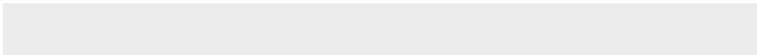
# Sweetspot

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



84.3447, 0.3128, 0.3270

100.0000, 0.3127, 0.3290



84.0271, 0.3115, 0.3270



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

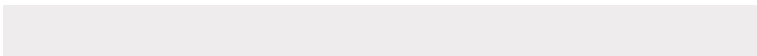
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3447, 0.3128, 0.3270



98.3801, 0.3128, 0.3266



84.2915, 0.3134, 0.3280



18.4450, 0.3128, 0.3267



13.4156, 0.3191, 0.1531

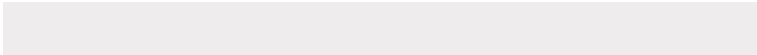


1.1180, 0.3193, 0.1533



# Inverse Universe

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



84.2330, 0.3140, 0.3290



98.2218, 0.3143, 0.3290



85.0892, 0.3120, 0.3300



18.4170, 0.3142, 0.3290



10.1440, 0.6393, 0.3295

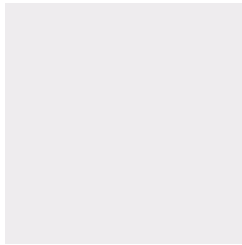


0.8446, 0.6371, 0.3284



# Previews

## White Background



This preview shows how the Yxy color 84.3411, 0.3128, 0.3270 looks on a white background.

## Color Contrast Check

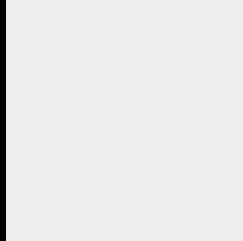
Large Text (above 18pt) WCAG AA × Fail

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 84.3411, 0.3128, 0.3270 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

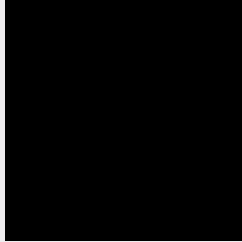
Any Text WCAG AAA ✓ Pass

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

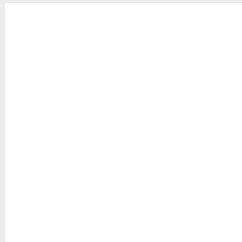


**Yxy 84.3411, 0.3128, 0.3270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3411, 0.3128, 0.3270.

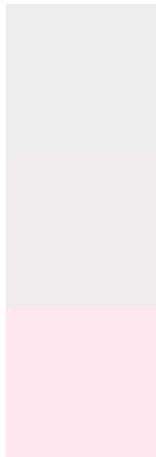


This preview shows how white text looks on a background with the Yxy color 84.3411, 0.3128, 0.3270.

# 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

84.3411, 0.3128, 0.3270

### Protanopia

84.1150, 0.3142, 0.3260

### Deuteranopia

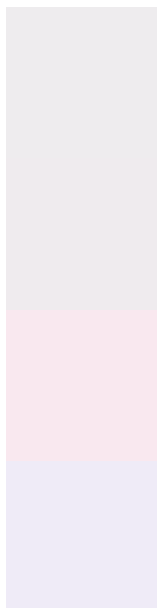
84.0856, 0.3241, 0.3202



## Tritanopia

84.3992, 0.3056, 0.3110

# Trichromacy



## Original Color

84.3411, 0.3128, 0.3270

## Protanomaly

83.9404, 0.3135, 0.3260

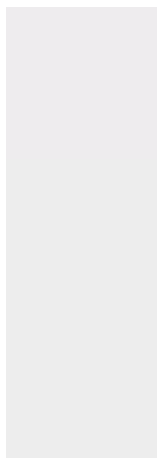
## Deuteranomaly

84.0850, 0.3198, 0.3221

## Tritanomaly

84.4828, 0.3080, 0.3169

# Monochromacy



## Original Color

84.3411, 0.3128, 0.3270

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.6873, 0.3127, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3411, 0.3128, 0.3270 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, 236, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 238)  
}
```

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, 236, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3411, 0.3128, 0.3270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

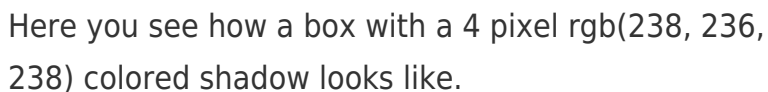
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 236, 238) }
```

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

```
.border{ border-color:rgb(238, 236, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 236, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 236, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 236, 238); box-shadow:4px 4px 4px 4px rgb(238, 236, 238) }
```

# Background

The CSS property to change the background color of an element to Yxy 84.3411, 0.3128, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 238) }
```

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

```
.background{ background-color: rgb(238,  
236, 238) }
```

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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