

# Converting Colors

$Y_{xy}(85.7570, 0.3112, 0.3280)$

Have a look what the booklet for  
Yxy(85.7570, 0.3112, 0.3280)  
contains.

<b>Yxy(86.0288, 0.3108, 0.3280)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Yxy(86.0288, 0.3108, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEFF0
RGB	237, 239, 240
RGB Percent	93%, 94%, 94%
CMY	0.0706, 0.0627, 0.0589
CMYK	0.01, 0.00, 0.00, 0.06
HSL	200°, 9%, 94%
HSV	200°, 1%, 94%
XYZ	81.5175, 86.0288, 94.7366
YIQ	238.5160, -1.5130, -0.1130

# Conversions

## Conversions Part 2

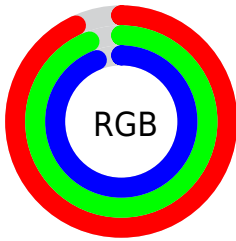
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 238, 240
Decimal	15593456
CIE Lab	94.32, -0.49, -0.72
CIE LCh	94, 0.867, 235.954
Yxy	86.0288, 0.3108, 0.3280
Android (android.graphics.Color)	4293783536 (0xFFEDEF0)
YUV	238.5160, 0.7316, -1.3295
Hunter-Lab	92.7517, -5.4356, 4.3674

# Details

The Yxy color **86.0288, 0.3108, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7749, 0.3146, 0.3300**, and the grayscale version is **85.9176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1514, 0.3102, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **77.6638, 0.2953, 0.3195**, and if you desaturate by 10%, it is **93.9995, 0.3221, 0.3357**.

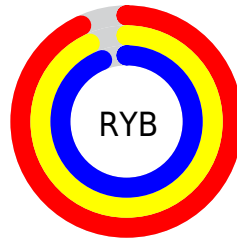
# Distribution



Red (93%)

Green (94%)

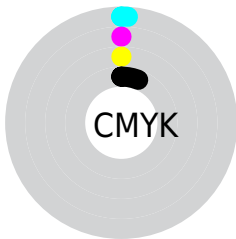
Blue (94%)



Red (93%)

Yellow (93%)

Blue (94%)

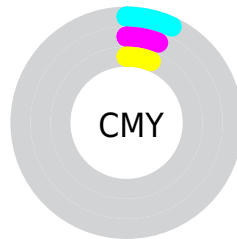


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0288, 0.3108, 0.3280 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 86.0288, 0.3108, 0.3280 by changing the saturation by 10% instead.



86.0288, 0.3108,  
0.3280

86.0288, 0.3108,  
0.3280

515.0262, 0.3117,  
0.3285

64.6918, 0.3106,  
0.3279

141.8097, 0.3111,  
0.3282

47.2112, 0.3104,  
0.3278

177.0223, 0.3112,  
0.3282

33.2027, 0.3101,  
0.3276

217.6290, 0.3113,  
0.3283

22.2817, 0.3097,  
0.3274

264.0141, 0.3114,  
0.3283

14.0641, 0.3092,  
0.3271

316.5619, 0.3115,  
0.3284

8.1652, 0.3085,  
0.3268

375.6569, 0.3115,

4.2009, 0.3075,

0.3284

0.3262

441.6836, 0.3116,  
0.3284

■ 1.7865, 0.3057,  
0.3253

■ 0.4788, 0.2967,  
0.3206

■ 86.0288, 0.3108,  
0.3280

■ 86.0288, 0.3108,  
0.3280

■ 77.6638, 0.2953,  
0.3195

■ 93.9995, 0.3221,  
0.3357

■ 70.0244, 0.2797,  
0.3101

■ 98.9141, 0.3215,  
0.3432

■ 63.0886, 0.2645,  
0.2998

■ 99.0706, 0.3215,  
0.3434

■ 56.8287, 0.2498,  
0.2888

■ 51.2151, 0.2360,  
0.2770

■ 46.2151, 0.2237,  
0.2648

■ 41.7929, 0.2130,  
0.2522

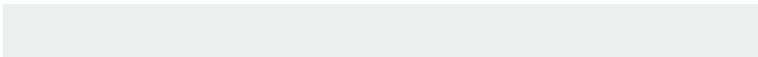
■ 37.9073, 0.2043,  
0.2395

■ 34.5096, 0.1977,  
0.2269

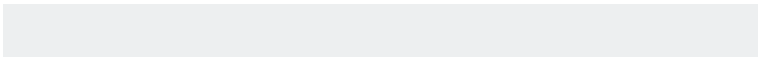
# Harmonies

## Analogous

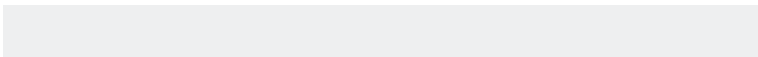
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0288, 0.3110, 0.3288



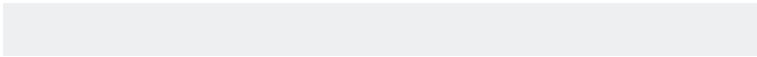
86.0288, 0.3108, 0.3280



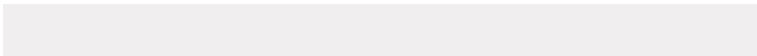
86.0288, 0.3111, 0.3275

# Triad

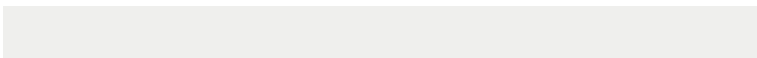
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0288, 0.3108, 0.3280



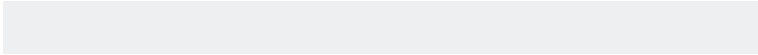
86.0288, 0.3138, 0.3283



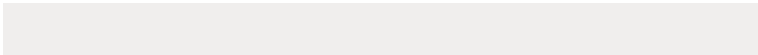
86.0288, 0.3136, 0.3307

# Complementary

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



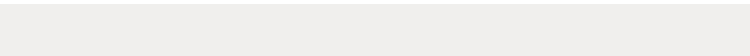
86.0288, 0.3108, 0.3280



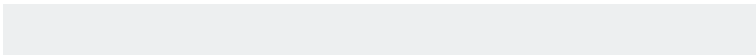
85.7749, 0.3146, 0.3300

# Split Complementary

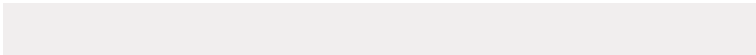
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0288, 0.3143, 0.3306



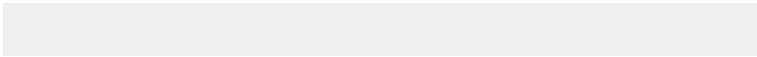
86.0288, 0.3108, 0.3280



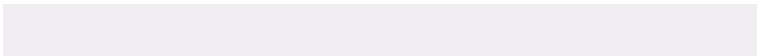
86.0288, 0.3145, 0.3292

# Square

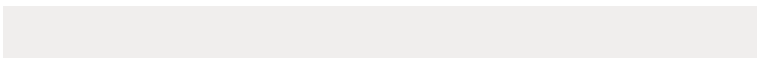
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



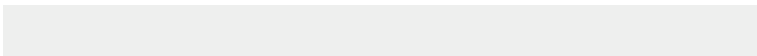
86.0288, 0.3108, 0.3280



86.0288, 0.3128, 0.3277



86.0288, 0.3147, 0.3300

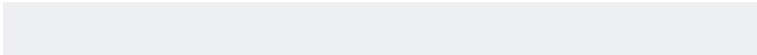


86.0288, 0.3126, 0.3304

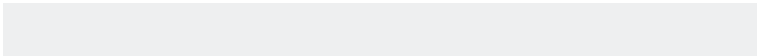


# Rectangle

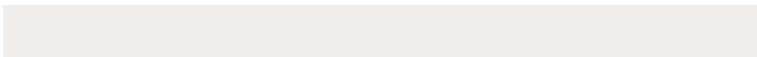
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



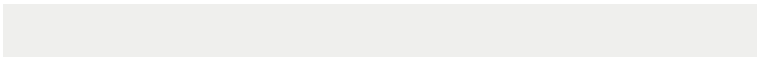
86.0288, 0.3108, 0.3280



86.0288, 0.3116, 0.3273



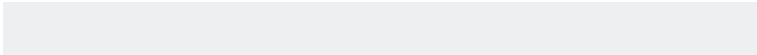
86.0288, 0.3147, 0.3300



86.0288, 0.3139, 0.3307

# Sweetspot

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



86.0325, 0.3108, 0.3280

100.0000, 0.3127, 0.3290



86.4876, 0.3120, 0.3311



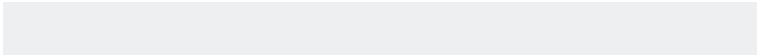
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

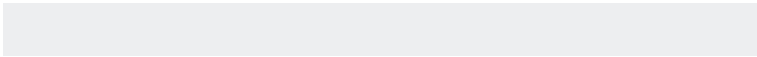
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0325, 0.3108, 0.3280



98.9869, 0.3112, 0.3282



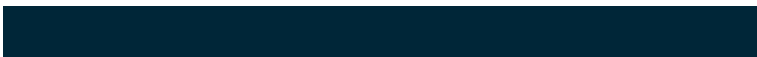
85.1807, 0.3109, 0.3265



18.5524, 0.3113, 0.3282



17.7007, 0.1939, 0.2181

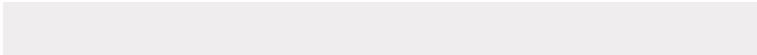


1.6533, 0.1985, 0.2344



# Inverse Universe

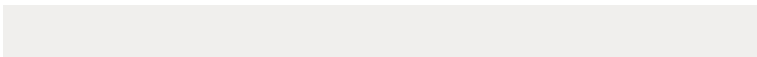
The Inverse Universe completely reimagines the original color for something new.



85.3235, 0.3135, 0.3270



98.3300, 0.3133, 0.3274



86.6288, 0.3146, 0.3315



18.4361, 0.3133, 0.3275



11.5802, 0.4253, 0.2116

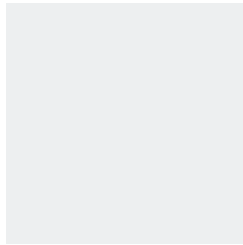


0.9816, 0.4080, 0.2021



# Previews

## White Background



This preview shows how the Yxy color 86.0288, 0.3108, 0.3280 looks on a white background.

## Color Contrast Check

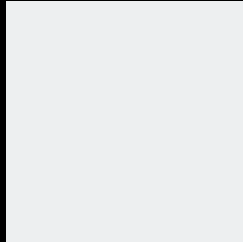
Large Text (above 18pt) WCAG AA × Fail

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 86.0288, 0.3108, 0.3280 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

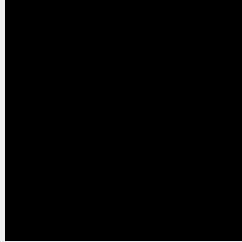
Any Text WCAG AAA ✓ Pass

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

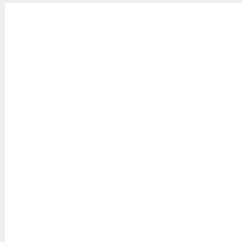


**Yxy 86.0288, 0.3108, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0288, 0.3108, 0.3280.

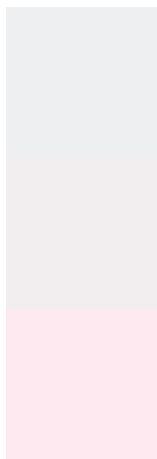


This preview shows how white text looks on a background with the Yxy color 86.0288, 0.3108, 0.3280.

# 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

86.0288, 0.3108, 0.3280

### Protanopia

85.6776, 0.3148, 0.3270

### Deuteranopia

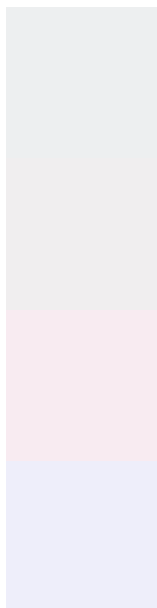
85.8887, 0.3226, 0.3212



## Tritanopia

86.1391, 0.3031, 0.3111

# Trichromacy



## Original Color

86.0288, 0.3108, 0.3280

## Protanomaly

85.9063, 0.3134, 0.3280

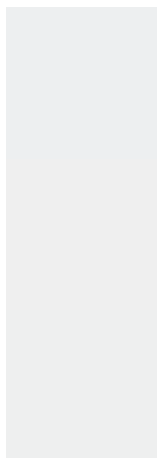
## Deuteranomaly

85.7240, 0.3177, 0.3231

## Tritanomaly

86.2283, 0.3054, 0.3170

# Monochromacy



## Original Color

86.0288, 0.3108, 0.3280

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.1421, 0.3121, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0288, 0.3108, 0.3280 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, 239, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 239, 240)  
}
```

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, 239, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 239, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0288, 0.3108, 0.3280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

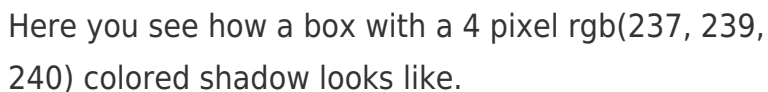
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 239, 240) }
```

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

```
.border{ border-color:rgb(237, 239, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 239, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 239, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 239, 240); box-shadow:4px 4px 4px 4px rgb(237, 239, 240) }
```

# Background

The CSS property to change the background color of an element to Yxy 86.0288, 0.3108, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 239, 240) }
```

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

```
.background{ background-color: rgb(237,  
239, 240) }
```

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