

Converting Colors

Yxy(86.5191, 0.3127, 0.3264)

Have a look what the booklet for
Yxy(86.5191, 0.3127, 0.3264)
contains.

Yxy(86.7846, 0.3128, 0.3270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(86.7846, 0.3128, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	F1EFF1
RGB	241, 239, 241
RGB Percent	95%, 94%, 95%
CMY	0.0549, 0.0627, 0.0549
CMYK	0.00, 0.01, 0.00, 0.05
HSL	300°, 7%, 94%
HSV	300°, 1%, 95%
XYZ	83.0160, 86.7846, 95.5958
YIQ	239.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

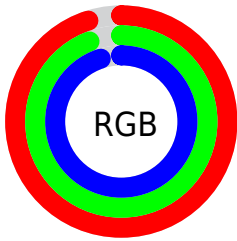
Format	Color
R_{YB}	241, 239, 241
Decimal	15855601
CIE Lab	94.65, 1.02, -0.74
CIE LCh	95, 1.259, 324.055
Yxy	86.7846, 0.3128, 0.3270
Android (android.graphics.Color)	4294045681 (0xFFFF1EFF1)
YUV	239.8260, 0.5788, 1.0296
Hunter-Lab	93.1583, -3.9605, 4.3694

Details

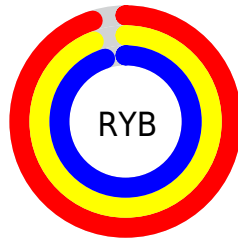
The Yxy color **86.7846, 0.3128, 0.3270** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.4999, 0.3126, 0.3310**, and the grayscale version is **86.9905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6840, 0.3128, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **73.5725, 0.3138, 0.3024**, and if you desaturate by 10%, it is **96.6016, 0.3122, 0.3428**.

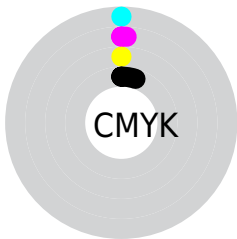
Distribution



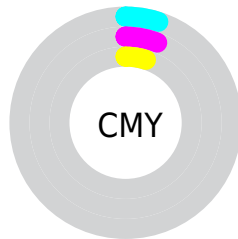
- Red (95%)
- Green (94%)
- Blue (95%)



- Red (95%)
- Yellow (94%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)




- Cyan (5%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7846, 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 86.7846, 0.3128, 0.3270 by changing the saturation by 10% instead.


 86.7846, 0.3128,
0.3270

 86.7846, 0.3128,
0.3270

517.5148, 0.3128,
0.3279

 65.3170, 0.3128,
0.3268


142.8639, 0.3128,
0.3273

 47.7181, 0.3128,
0.3266


178.2443, 0.3128,
0.3274

 33.6037, 0.3128,
0.3263


219.0311, 0.3128,
0.3275

 22.5893, 0.3128,
0.3259

265.6087, 0.3128,
0.3276

 14.2906, 0.3129,
0.3253

318.3615, 0.3128,
0.3277

 8.3230, 0.3129,
0.3246

377.6738, 0.3128,

 4.3023, 0.3129,

0.3278

443.9301, 0.3128,
0.3278

0.3235

■ 1.8441, 0.3130,
0.3218

■ 0.5144, 0.3133,
0.3137

■ 86.7846, 0.3128,
0.3270

■ 86.7846, 0.3128,
0.3270

■ 73.5725, 0.3138,
0.3024

■ 96.6016, 0.3122,
0.3428

■ 62.1643, 0.3149,
0.2772

■ 96.6336, 0.3123,
0.3428

■ 52.4849, 0.3159,
0.2522


■ 96.6656, 0.3124,
0.3428


■ 44.4498, 0.3168,
0.2283


■ 96.6976, 0.3125,
0.3428


 37.9673, 0.3176,
0.2065


 96.7297, 0.3126,
0.3428

 32.9369, 0.3182,
0.1878


 96.7618, 0.3127,
0.3428


 29.2459, 0.3187,
0.1729

 96.7939, 0.3128,
0.3428

 26.7655, 0.3190,
0.1622

 96.8261, 0.3130,
0.3428

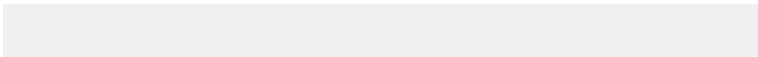
 25.3416, 0.3191,
0.1558

 96.8583, 0.3131,
0.3428

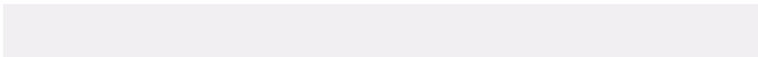
Harmonies

Analogous

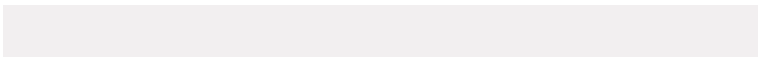
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7846, 0.3114, 0.3266



86.7846, 0.3128, 0.3270



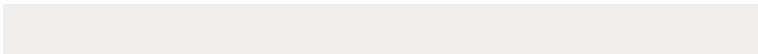
86.7846, 0.3142, 0.3280

Triad

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



86.7846, 0.3128, 0.3270



86.7846, 0.3151, 0.3313



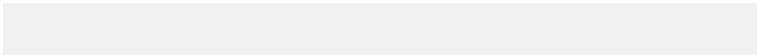
86.7846, 0.3103, 0.3288

Complementary

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



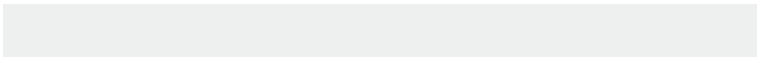
86.7846, 0.3128, 0.3270



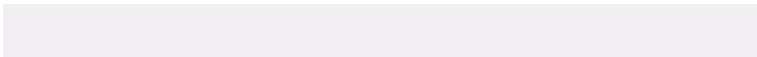
87.4999, 0.3126, 0.3310

Split Complementary

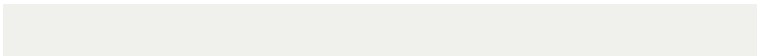
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7846, 0.3113, 0.3301



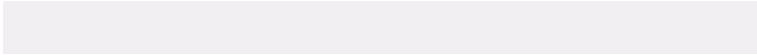
86.7846, 0.3128, 0.3270



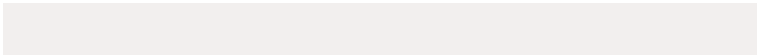
86.7846, 0.3141, 0.3315

Square

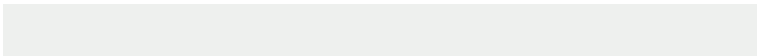
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



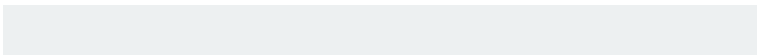
86.7846, 0.3128, 0.3270



86.7846, 0.3155, 0.3304



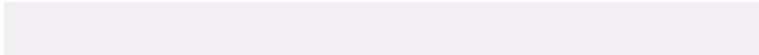
86.7846, 0.3126, 0.3311



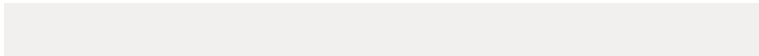
86.7846, 0.3099, 0.3276

Rectangle

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



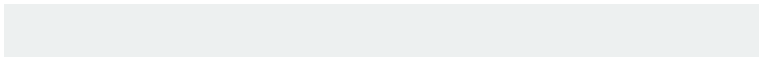
86.7846, 0.3128, 0.3270



86.7846, 0.3149, 0.3288



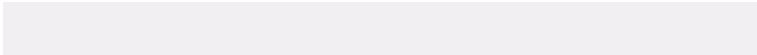
86.7846, 0.3126, 0.3311



86.7846, 0.3105, 0.3292

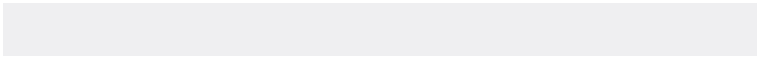
Sweetspot

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



86.7883, 0.3128, 0.3270

100.0000, 0.3127, 0.3290



86.4615, 0.3115, 0.3270



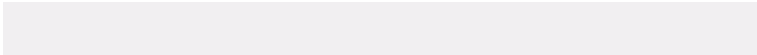
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

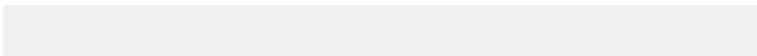
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7883, 0.3128, 0.3270



98.3801, 0.3128, 0.3266



86.7335, 0.3134, 0.3280



18.4450, 0.3128, 0.3267



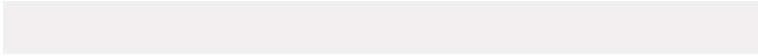
13.4156, 0.3191, 0.1531



1.1180, 0.3193, 0.1533

Inverse Universe

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



86.6734, 0.3140, 0.3290



98.2218, 0.3143, 0.3290



87.5544, 0.3120, 0.3300



18.4170, 0.3142, 0.3290



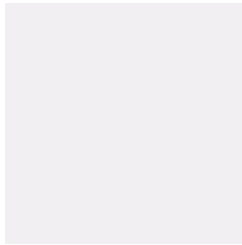
10.1440, 0.6393, 0.3295



0.8446, 0.6371, 0.3284

Previews

White Background



This preview shows how the Yxy color 86.7846, 0.3128, 0.3270 looks on a white background.

Color Contrast Check

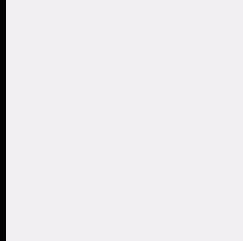
Large Text (above 18pt) WCAG AA × Fail

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 86.7846, 0.3128, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

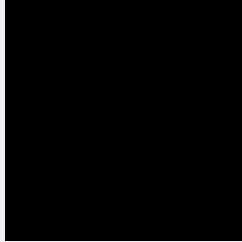
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

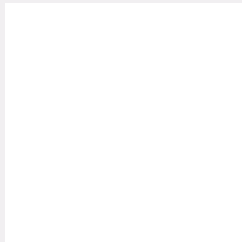
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7846, 0.3128, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 86.7846, 0.3128, 0.3270.

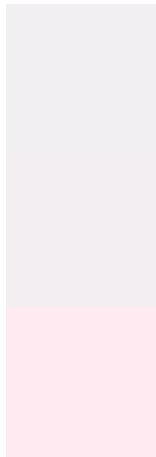


This preview shows how white text looks on a background with the Yxy color 86.7846, 0.3128, 0.3270.

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

86.7846, 0.3128, 0.3270

Protanopia

86.5546, 0.3142, 0.3260

Deuteranopia

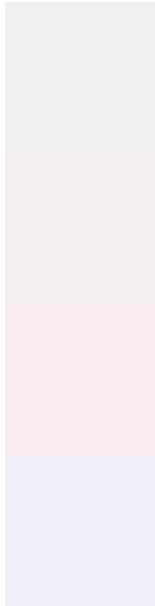
86.5164, 0.3219, 0.3212



Tritanopia

86.8431, 0.3057, 0.3112

Trichromacy



Original Color

86.7846, 0.3128, 0.3270

Protanomaly

86.3772, 0.3135, 0.3260

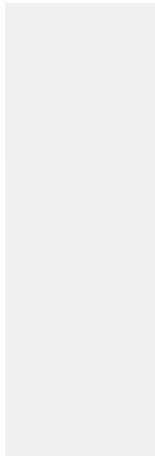
Deuteranomaly

86.7257, 0.3183, 0.3231

Tritanomaly

86.9284, 0.3080, 0.3171

Monochromacy



Original Color

86.7846, 0.3128, 0.3270

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1367, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7846, 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(241, 239, 241)` looks like.

```
.text, #text, p{  
    color:rgb(241, 239, 241)  
}
```

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(241, 239, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 239, 241) }
```

Border

The CSS property to change the border of an element to Yxy 86.7846, 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(241, 239, 241) }
```

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

```
.border{ border-color:rgb(241, 239, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 239, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 239, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 239, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 239,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 86.7846, 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(241, 239, 241) }
```

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

```
.background{ background-color: rgb(241,  
239, 241) }
```

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