

Converting Colors

$Yxy(86.9925, 0.3158, 0.3310)$

Have a look what the booklet for
Yxy(86.9925, 0.3158, 0.3310)
contains.

Yxy(86.7247, 0.3159, 0.3310)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7247, 0.3159, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F2EFED
RGB	242, 239, 237
RGB Percent	95%, 94%, 93%
CMY	0.0510, 0.0627, 0.0705
CMYK	0.00, 0.01, 0.02, 0.05
HSL	24°, 16%, 94%
HSV	24°, 2%, 95%
XYZ	82.7684, 86.7247, 92.5151
YIQ	239.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

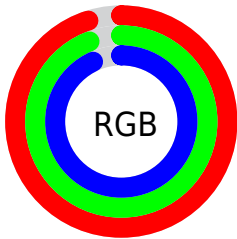
Format	Color
R _Y B	242, 240, 237
Decimal	15921133
CIE Lab	94.62, 0.65, 1.30
CIE LCh	95, 1.452, 63.275
Yxy	86.7247, 0.3159, 0.3310
Android (android.graphics.Color)	4294111213 (0xFF2EFED)
YUV	239.6690, -1.3158, 2.0443
Hunter-Lab	93.1261, -4.3239, 6.2873

Details

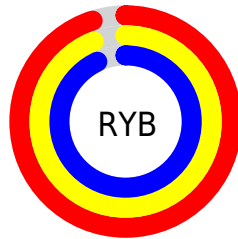
The Yxy color **86.7247, 0.3159, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7372, 0.3096, 0.3270**, and the grayscale version is **86.8759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6423, 0.3168, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **77.2492, 0.3330, 0.3412**, and if you desaturate by 10%, it is **96.6735, 0.3048, 0.3275**.

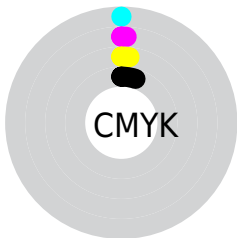
Distribution



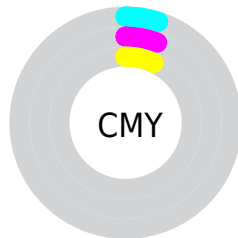
- Red (95%)
- Green (94%)
- Blue (93%)



- Red (95%)
- Yellow (94%)
- Blue (93%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (5%)




- Cyan (5%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7247, 0.3159, 0.3310 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 86.7247, 0.3159, 0.3310 by changing the saturation by 10% instead.

 86.7247, 0.3159,
0.3310

 86.7247, 0.3159,
0.3310


517.3178, 0.3145,
0.3301

 65.2674, 0.3162,
0.3312


142.7804, 0.3154,
0.3307

 47.6779, 0.3166,
0.3314

178.1475, 0.3152,
0.3306

 33.5719, 0.3171,
0.3317


218.9201, 0.3151,
0.3305

 22.5649, 0.3177,
0.3321

265.4824, 0.3149,
0.3304

 14.2726, 0.3185,
0.3326

318.2190, 0.3148,
0.3303

 8.3105, 0.3197,
0.3333

377.5141, 0.3147,

 4.2943, 0.3214,

0.3302

443.7523, 0.3146,
0.3302

0.3344

1.8395, 0.3242,
0.3361

0.5116, 0.3393,
0.3456

86.7247, 0.3159,
0.3310

86.7247, 0.3159,
0.3310

77.2492, 0.3330,
0.3412

96.6735, 0.3048,
0.3275

68.6194, 0.3529,
0.3519

97.6142, 0.3047,
0.3290

60.8145, 0.3759,
0.3630

53.8086, 0.4022,
0.3739

■ 47.5744, 0.4315,
0.3838

■ 42.0827, 0.4632,
0.3917

■ 37.3022, 0.4957,
0.3964

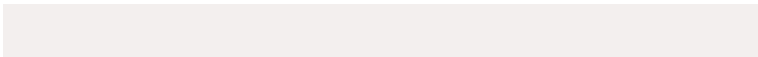
■ 33.1989, 0.5270,
0.3965

■ 29.7345, 0.5543,
0.3912

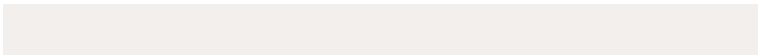
Harmonies

Analogous

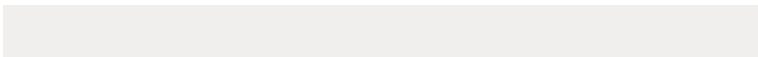
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7247, 0.3158, 0.3297



86.7247, 0.3159, 0.3310



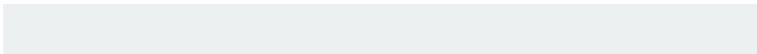
86.7247, 0.3152, 0.3318

Triad

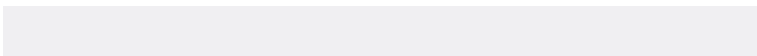
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7247, 0.3159, 0.3310



86.7247, 0.3106, 0.3298



86.7247, 0.3117, 0.3263

Complementary

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



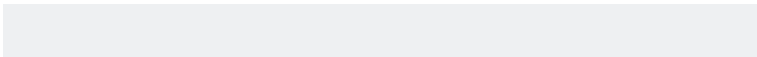
86.7247, 0.3159, 0.3310



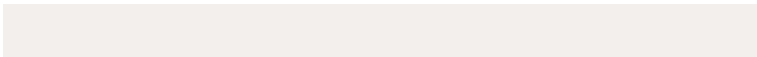
86.7372, 0.3096, 0.3270

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.



86.7247, 0.3103, 0.3263



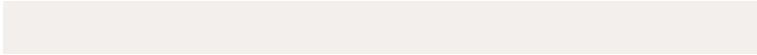
86.7247, 0.3159, 0.3310



86.7247, 0.3097, 0.3283

Square

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



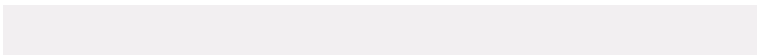
86.7247, 0.3159, 0.3310



86.7247, 0.3121, 0.3311



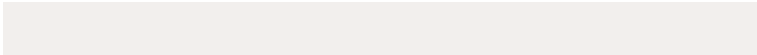
86.7247, 0.3096, 0.3270



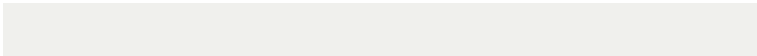
86.7247, 0.3133, 0.3270

Rectangle

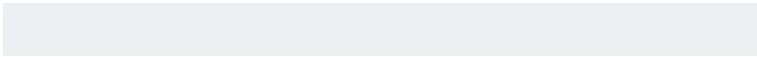
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



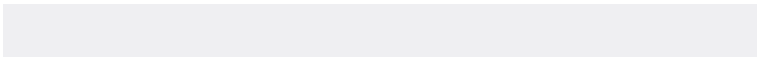
86.7247, 0.3159, 0.3310



86.7247, 0.3143, 0.3319



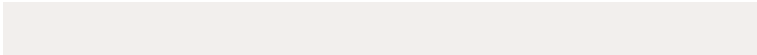
86.7247, 0.3096, 0.3270



86.7247, 0.3111, 0.3262

Sweetspot

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



86.7284, 0.3159, 0.3310



98.8651, 0.3143, 0.3300



85.7477, 0.3142, 0.3260



21.1732, 0.3142, 0.3299



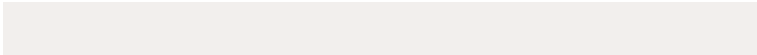
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

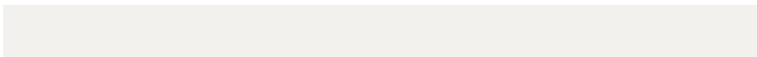
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7284, 0.3159, 0.3310



97.7401, 0.3158, 0.3310



88.1893, 0.3158, 0.3335



18.3317, 0.3157, 0.3309



14.9725, 0.5695, 0.3860



1.4352, 0.5454, 0.4051

Inverse Universe

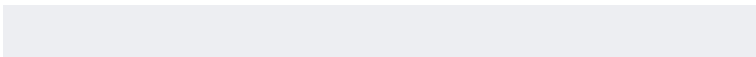
The Inverse Universe completely reimagines the original color for something new.



86.7372, 0.3096, 0.3270



97.7497, 0.3096, 0.3270



85.2883, 0.3097, 0.3245



18.3334, 0.3098, 0.3271



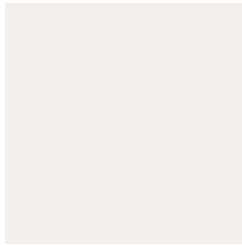
14.6168, 0.1868, 0.1923



1.4101, 0.1923, 0.2121

Previews

White Background



This preview shows how the Yxy color 86.7247, 0.3159, 0.3310 looks on a white background.

Color Contrast Check

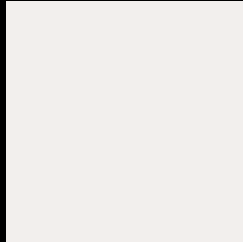
Large Text (above 18pt) WCAG AA × Fail

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 86.7247, 0.3159, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

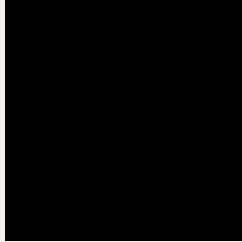
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

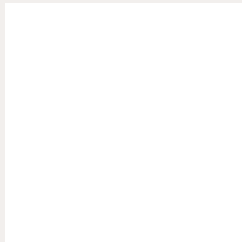
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7247, 0.3159, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 86.7247, 0.3159, 0.3310.

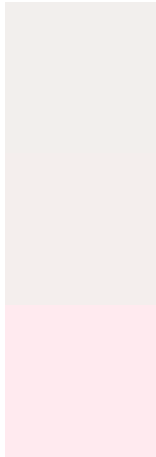


This preview shows how white text looks on a background with the Yxy color 86.7247, 0.3159, 0.3310.

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

86.7247, 0.3159, 0.3310

Protanopia

86.4966, 0.3173, 0.3300

Deuteranopia

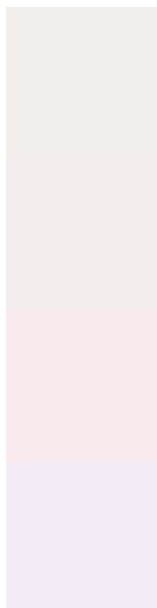
86.3376, 0.3238, 0.3241



Tritanopia

86.6234, 0.3070, 0.3103

Trichromacy



Original Color

86.7247, 0.3159, 0.3310

Protanomaly

86.3182, 0.3167, 0.3300

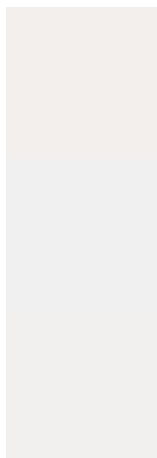
Deuteranomaly

86.4879, 0.3209, 0.3270

Tritanomaly

86.5788, 0.3106, 0.3181

Monochromacy



Original Color

86.7247, 0.3159, 0.3310

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2529, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7247, 0.3159, 0.3310 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(242, 239, 237)` looks like.

```
.text, #text, p{  
    color:rgb(242, 239, 237)  
}
```

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(242, 239, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.7247, 0.3159, 0.3310 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(242, 239, 237) }
```

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

```
.border{ border-color:rgb(242, 239, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 239, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 239, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 239, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 239,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7247, 0.3159, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 239, 237) }
```

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

```
.background{ background-color: rgb(242,  
239, 237) }
```

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