

Converting Colors

$Yxy(83.7263, 0.3145, 0.3306)$

Have a look what the booklet for
Yxy(83.7263, 0.3145, 0.3306)
contains.

Yxy(83.9359, 0.3146, 0.3310)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(83.9359, 0.3146, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	EDECEA
RGB	237, 236, 234
RGB Percent	93%, 93%, 92%
CMY	0.0706, 0.0745, 0.0822
CMYK	0.00, 0.00, 0.01, 0.07
HSL	40°, 8%, 92%
HSV	40°, 1%, 93%
XYZ	79.7771, 83.9359, 89.8697
YIQ	236.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

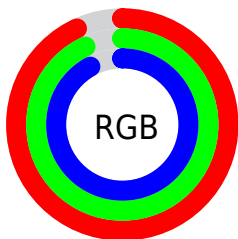
Format	Color
R _Y B	236, 237, 234
Decimal	15592682
CIE Lab	93.42, -0.00, 1.05
CIE LCh	93, 1.053, 90.151
Yxy	83.9359, 0.3146, 0.3310
Android (android.graphics.Color)	4293782762 (0xFFEDEC EA)
YUV	236.0710, -1.0210, 0.8147
Hunter-Lab	91.6165, -4.8961, 5.9720

Details

The Yxy color **83.9359, 0.3146, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0576, 0.3108, 0.3270**, and the grayscale version is **83.9494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6806, 0.3152, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **78.1459, 0.3306, 0.3476**, and if you desaturate by 10%, it is **89.9454, 0.3018, 0.3181**.

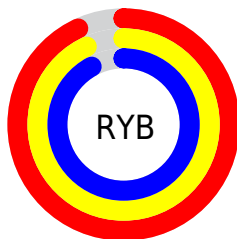
Distribution



Red (93%)

Green (93%)

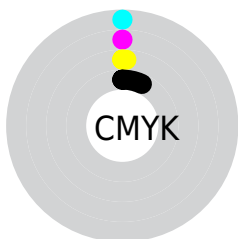
Blue (92%)



Red (93%)

Yellow (93%)

Blue (92%)

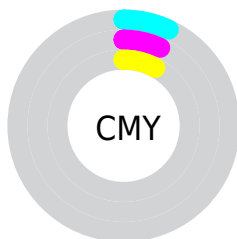


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9359, 0.3146, 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 83.9359, 0.3146, 0.3310 by changing the saturation by 10% instead.

83.9359, 0.3146,
0.3310

83.9359, 0.3146,
0.3310

508.1004, 0.3138,
0.3301

62.9625, 0.3148,
0.3312

138.8855, 0.3143,
0.3307

45.8109, 0.3150,
0.3314

173.6305, 0.3142,
0.3306

32.0966, 0.3153,
0.3317

213.7349, 0.3141,
0.3305

21.4353, 0.3157,
0.3321

259.5829, 0.3140,
0.3304

13.4426, 0.3162,
0.3327

311.5591, 0.3139,
0.3303

7.7340, 0.3169,
0.3334

370.0478, 0.3139,

3.9252, 0.3179,

0.3302

0.3345

435.4334, 0.3138,
0.3302

1.6318, 0.3197,
0.3364

0.3789, 0.3340,
0.3515

83.9359, 0.3146,
0.3310

83.9359, 0.3146,
0.3310

78.1459, 0.3306,
0.3476

89.9454, 0.3018,
0.3181

72.7325, 0.3483,
0.3648

94.8848, 0.3018,
0.3261

67.6890, 0.3675,
0.3824

96.7452, 0.3017,
0.3290

63.0044, 0.3881,
0.3997

■ 58.6669, 0.4094,
0.4158

■ 54.6637, 0.4307,
0.4297

■ 50.9809, 0.4512,
0.4402

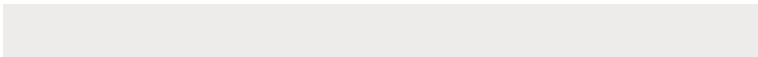
■ 47.6029, 0.4696,
0.4463

■ 44.5114, 0.4851,
0.4472

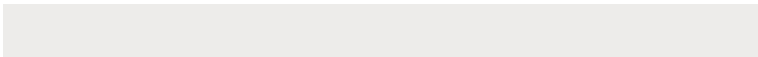
Harmonies

Analogous

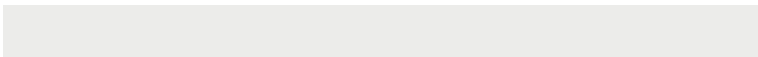
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9359, 0.3151, 0.3304



83.9359, 0.3146, 0.3310



83.9359, 0.3136, 0.3311

Triad

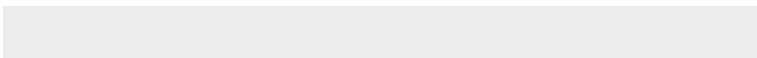
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9359, 0.3146, 0.3310



83.9359, 0.3105, 0.3286



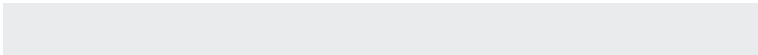
83.9359, 0.3130, 0.3274

Complementary

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



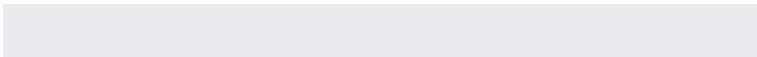
83.9359, 0.3146, 0.3310



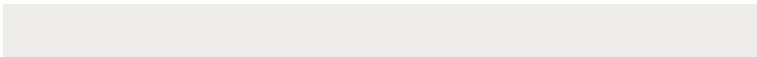
83.0576, 0.3108, 0.3270

Split Complementary

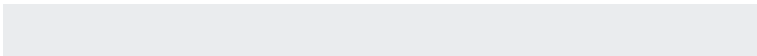
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9359, 0.3118, 0.3270



83.9359, 0.3146, 0.3310



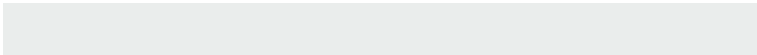
83.9359, 0.3104, 0.3277

Square

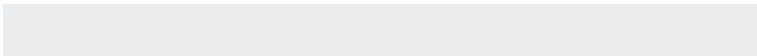
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



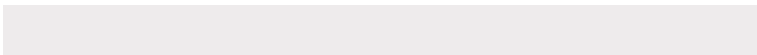
83.9359, 0.3146, 0.3310



83.9359, 0.3113, 0.3297



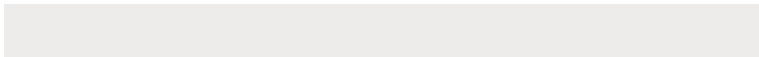
83.9359, 0.3109, 0.3270



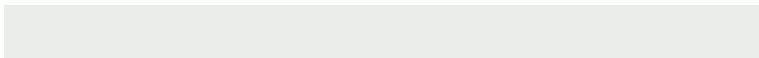
83.9359, 0.3142, 0.3283

Rectangle

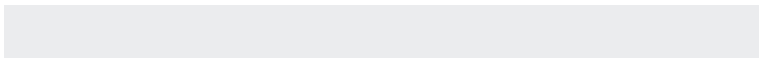
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9359, 0.3146, 0.3310



83.9359, 0.3128, 0.3308



83.9359, 0.3109, 0.3270



83.9359, 0.3126, 0.3272

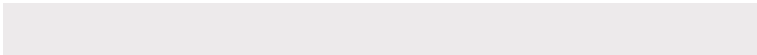
Sweetspot

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



83.9395, 0.3146, 0.3310

100.0000, 0.3127, 0.3290



82.8782, 0.3141, 0.3279



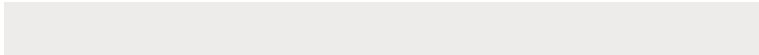
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

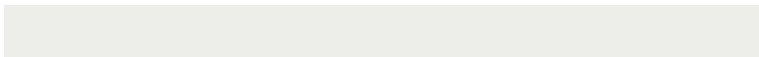
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9395, 0.3146, 0.3310



99.2868, 0.3142, 0.3306



84.4425, 0.3142, 0.3320



17.7665, 0.3141, 0.3305



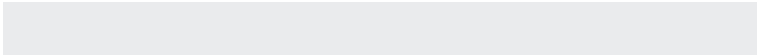
23.1917, 0.4946, 0.4455



1.9979, 0.4815, 0.4559

Inverse Universe

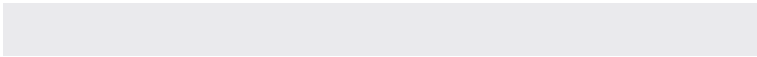
The Inverse Universe completely reimagines the original color for something new.



83.0576, 0.3108, 0.3270



98.4486, 0.3112, 0.3274



82.5599, 0.3112, 0.3260



17.6252, 0.3113, 0.3275



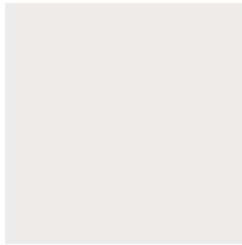
6.7128, 0.1638, 0.1096



0.6994, 0.1715, 0.1372

Previews

White Background



This preview shows how the Yxy color 83.9359, 0.3146, 0.3310 looks on a white background.

Color Contrast Check

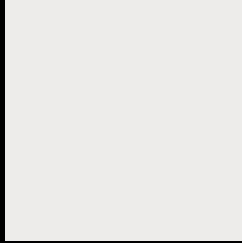
Large Text (above 18pt) WCAG AA × Fail

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 83.9359, 0.3146, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

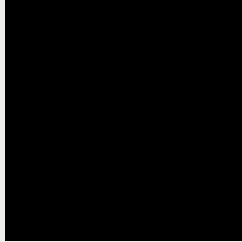
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

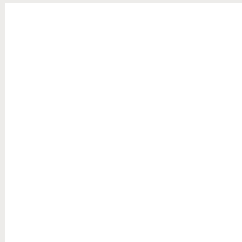
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9359, 0.3146, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 83.9359, 0.3146, 0.3310.

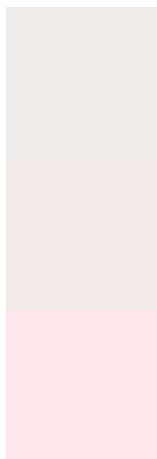


This preview shows how white text looks on a background with the Yxy color 83.9359, 0.3146, 0.3310.

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

83.9359, 0.3146, 0.3310

Protanopia

84.0006, 0.3180, 0.3310

Deuteranopia

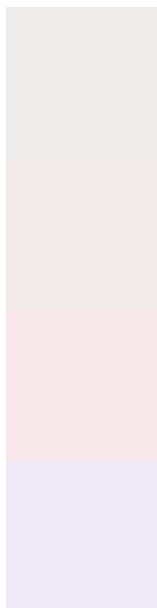
83.9098, 0.3261, 0.3231



Tritanopia

83.8314, 0.3056, 0.3100

Trichromacy



Original Color

83.9359, 0.3146, 0.3310

Protanomaly

83.8251, 0.3173, 0.3310

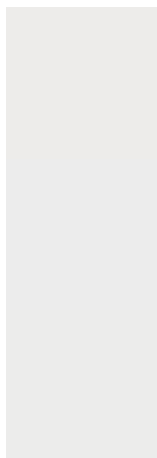
Deuteranomaly

83.6678, 0.3217, 0.3260

Tritanomaly

83.7889, 0.3092, 0.3179

Monochromacy



Original Color

83.9359, 0.3146, 0.3310

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.8219, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9359, 0.3146, 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(237, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 234)  
}
```

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, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 234) }
```

Border

The CSS property to change the border of an element to Yxy 83.9359, 0.3146, 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(237, 236, 234) }
```

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

```
.border{ border-color:rgb(237, 236, 234) }
```

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

Here you see how a box with a 4 pixel rgb(237, 236, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
234) }
```

Background

The CSS property to change the background color of an element to Yxy 83.9359, 0.3146, 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(237, 236, 234) }
```

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

```
.background{ background-color: rgb(237,  
236, 234) }
```

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