

Converting Colors

Yxy(83.6896, 0.3137, 0.3307)

Have a look what the booklet for
Yxy(83.6896, 0.3137, 0.3307)
contains.

Yxy(83.7643, 0.3140, 0.3310)	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(83.7643, 0.3140, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	ECECEA
RGB	236, 236, 234
RGB Percent	93%, 93%, 92%
CMY	0.0742, 0.0746, 0.0823
CMYK	0.00, 0.00, 0.01, 0.07
HSL	57°, 5%, 92%
HSV	57°, 1%, 93%
XYZ	79.4622, 83.7643, 89.8378
YIQ	235.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

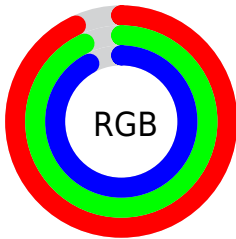
Format	Color
R _Y B	234, 236, 234
Decimal	15527146
CIE Lab	93.35, -0.30, 0.95
CIE LCh	93, 0.994, 107.724
Yxy	83.7643, 0.3140, 0.3310
Android (android.graphics.Color)	4293717226 (0xFFECECEA)
YUV	235.7720, -0.8736, 0.2000
Hunter-Lab	91.5228, -5.1872, 5.8676

Details

The Yxy color **83.7643, 0.3140, 0.3310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4777, 0.3114, 0.3270**, and the grayscale version is **83.7155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5602, 0.3143, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **81.7893, 0.3291, 0.3544**, and if you desaturate by 10%, it is **85.7616, 0.3013, 0.3112**.

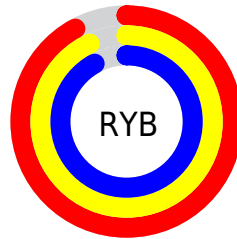
Distribution



Red (93%)

Green (93%)

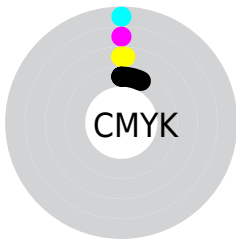
Blue (92%)



Red (92%)

Yellow (93%)

Blue (92%)

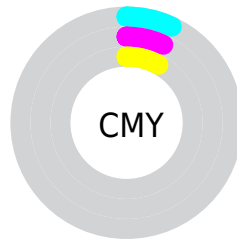


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7643, 0.3140, 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 83.7643, 0.3140, 0.3310 by changing the saturation by 10% instead.

83.7643, 0.3140,
0.3310

83.7643, 0.3140,
0.3310

507.5302, 0.3134,
0.3301

62.8209, 0.3141,
0.3312

138.6454, 0.3138,
0.3307

45.6963, 0.3143,
0.3314

173.3519, 0.3137,
0.3306

32.0062, 0.3145,
0.3317

213.4148, 0.3137,
0.3305

21.3663, 0.3147,
0.3321

259.2186, 0.3136,
0.3304

13.3920, 0.3151,
0.3327

311.1476, 0.3135,
0.3303

7.6990, 0.3155,
0.3334

369.5863, 0.3135,

3.9030, 0.3163,

0.3302

434.9190, 0.3135,
0.3302

0.3345

1.6194, 0.3175,
0.3364

0.3706, 0.3276,
0.3520

83.7643, 0.3140,
0.3310

83.7643, 0.3140,
0.3310

81.7893, 0.3291,
0.3544

85.7616, 0.3013,
0.3112

79.9893, 0.3447,
0.3785

86.4821, 0.3013,
0.3125


78.3605, 0.3604,
0.4024


87.2076, 0.3013,
0.3137

76.8946, 0.3758,
0.4255


87.9380, 0.3012,
0.3150


 75.5828, 0.3901,
0.4467


 88.6735, 0.3012,
0.3162

 74.4155, 0.4028,
0.4649

 89.4139, 0.3012,
0.3175

 73.3819, 0.4132,
0.4795

 90.1593, 0.3012,
0.3187

 72.4696, 0.4211,
0.4897

 90.9097, 0.3012,
0.3199

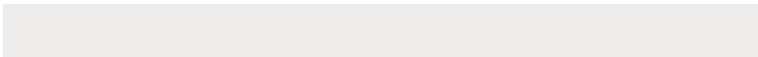
 71.6637, 0.4262,
0.4955

 91.6652, 0.3012,
0.3212

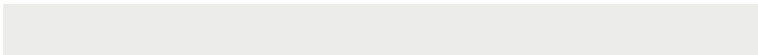
Harmonies

Analogous

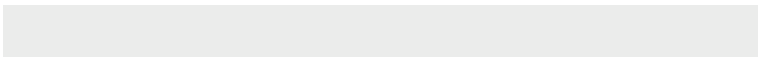
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7643, 0.3147, 0.3307



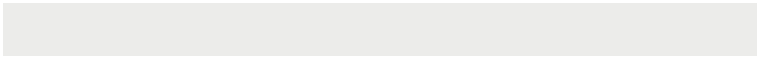
83.7643, 0.3140, 0.3310



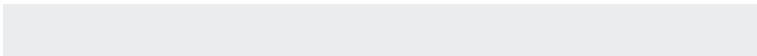
83.7643, 0.3129, 0.3308

Triad

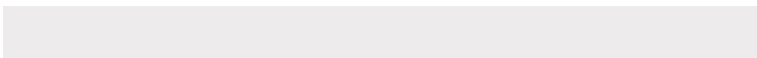
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7643, 0.3140, 0.3310



83.7643, 0.3105, 0.3281



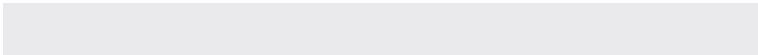
83.7643, 0.3137, 0.3280

Complementary

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



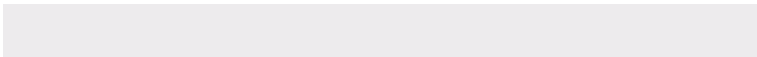
83.7643, 0.3140, 0.3310



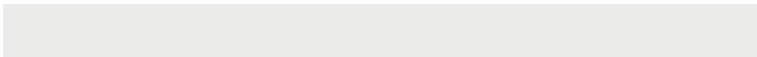
82.4777, 0.3114, 0.3270

Split Complementary

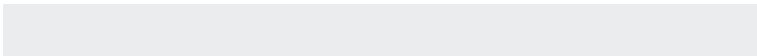
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7643, 0.3125, 0.3273



83.7643, 0.3140, 0.3310



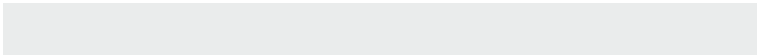
83.7643, 0.3107, 0.3273

Square

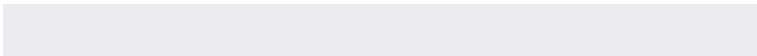
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



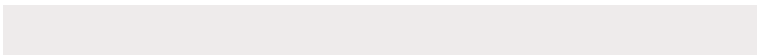
83.7643, 0.3140, 0.3310



83.7643, 0.3109, 0.3291



83.7643, 0.3115, 0.3271



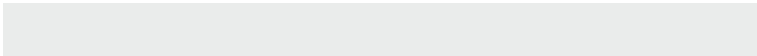
83.7643, 0.3146, 0.3290

Rectangle

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



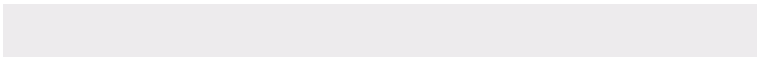
83.7643, 0.3140, 0.3310



83.7643, 0.3121, 0.3303



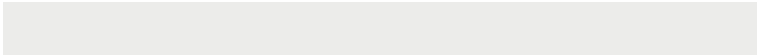
83.7643, 0.3115, 0.3271



83.7643, 0.3133, 0.3277

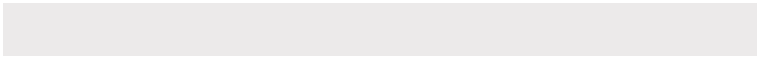
Sweetspot

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



83.7679, 0.3140, 0.3310

100.0000, 0.3127, 0.3290



82.6560, 0.3140, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

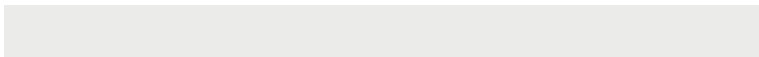
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7679, 0.3140, 0.3310



99.7515, 0.3142, 0.3313



83.6775, 0.3134, 0.3311



17.8449, 0.3141, 0.3312



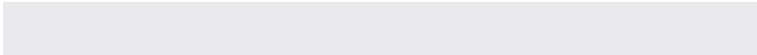
39.1649, 0.4288, 0.4978



3.1170, 0.4273, 0.4989

Inverse Universe

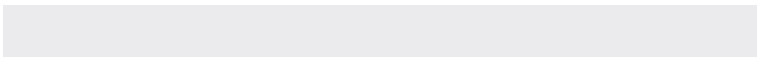
The Inverse Universe completely reimagines the original color for something new.



82.4777, 0.3114, 0.3270



97.9876, 0.3112, 0.3267



82.5678, 0.3120, 0.3269



17.5474, 0.3113, 0.3268



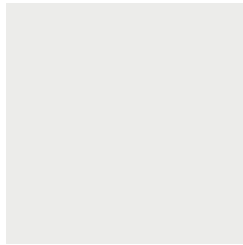
3.5444, 0.1509, 0.0633



0.3231, 0.1534, 0.0723

Previews

White Background



This preview shows how the Yxy color 83.7643, 0.3140, 0.3310 looks on a white background.

Color Contrast Check

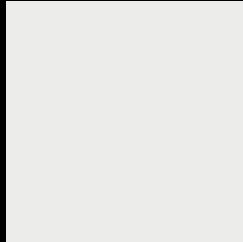
Large Text (above 18pt) WCAG AA × Fail

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 83.7643, 0.3140, 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

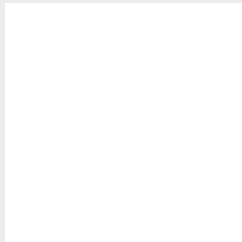
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7643, 0.3140, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 83.7643, 0.3140, 0.3310.

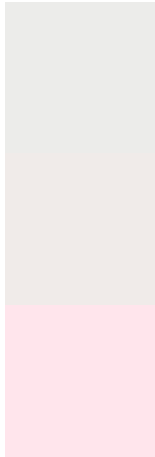


This preview shows how white text looks on a background with the Yxy color 83.7643, 0.3140, 0.3310.

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

83.7643, 0.3140, 0.3310

Protanopia

83.8251, 0.3173, 0.3310

Deuteranopia

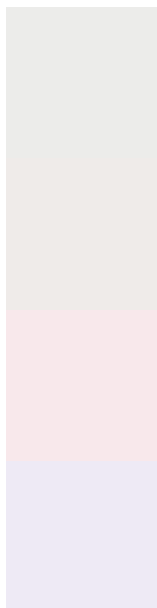
83.3548, 0.3262, 0.3221



Tritanopia

83.6568, 0.3050, 0.3100

Trichromacy



Original Color

83.7643, 0.3140, 0.3310

Protanomaly

83.6506, 0.3167, 0.3310

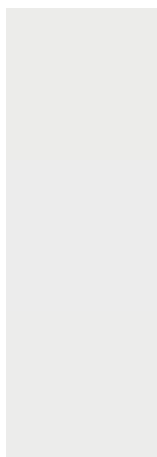
Deuteranomaly

83.6678, 0.3217, 0.3260

Tritanomaly

83.6154, 0.3086, 0.3179

Monochromacy



Original Color

83.7643, 0.3140, 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 83.7643, 0.3140, 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(236, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 236, 234) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 83.7643, 0.3140, 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(236, 236, 234) }
```

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

```
.border{ border-color:rgb(236, 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(236, 236, 234) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to Yxy 83.7643, 0.3140, 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(236, 236, 234) }
```

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

```
.background{ background-color: rgb(236,  
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](#).

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