

Converting Colors

$Y_{xy}(83.6211, 0.3102, 0.3276)$

Have a look what the booklet for
Yxy(83.6211, 0.3102, 0.3276)
contains.

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Color

Yxy(83.5978, 0.3108, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	EAECED
RGB	234, 236, 237
RGB Percent	92%, 93%, 93%
CMY	0.0823, 0.0745, 0.0707
CMYK	0.01, 0.00, 0.00, 0.07
HSL	200°, 8%, 92%
HSV	200°, 1%, 93%
XYZ	79.2140, 83.5978, 92.0595
YIQ	235.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

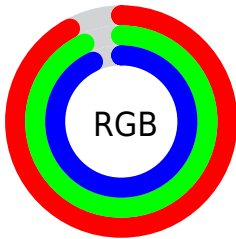
Format	Color
R _Y B	234, 235, 237
Decimal	15396077
CIE Lab	93.28, -0.48, -0.71
CIE LCh	93, 0.859, 235.954
Yxy	83.5978, 0.3108, 0.3280
Android (android.graphics.Color)	4293586157 (0xFFEAECED)
YUV	235.5160, 0.7316, -1.3295
Hunter-Lab	91.4318, -5.3582, 4.3052

Details

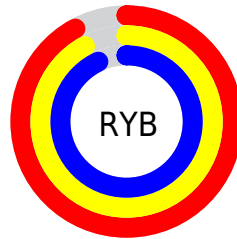
The Yxy color **83.5978, 0.3108, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3511, 0.3146, 0.3300**, and the grayscale version is **83.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4437, 0.3102, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **75.4746, 0.2953, 0.3195**, and if you desaturate by 10%, it is **91.9407, 0.3242, 0.3357**.

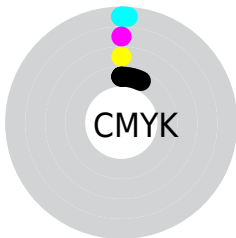
Distribution



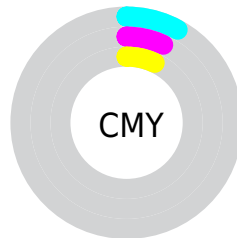
- Red (92%)
- Green (93%)
- Blue (93%)



- Red (92%)
- Yellow (92%)
- Blue (93%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5978, 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 83.5978, 0.3108, 0.3280 by changing the saturation by 10% instead.

■ 83.5978, 0.3108,
0.3280

■ 83.5978, 0.3108,
0.3280

506.9767, 0.3117,
0.3285

■ 62.6834, 0.3106,
0.3279

138.4124, 0.3111,
0.3282

■ 45.5852, 0.3104,
0.3278

173.0815, 0.3112,
0.3282

■ 31.9186, 0.3101,
0.3276

213.1042, 0.3113,
0.3283

■ 21.2993, 0.3097,
0.3274

258.8649, 0.3114,
0.3283

■ 13.3430, 0.3092,
0.3271

310.7482, 0.3115,
0.3284

■ 7.6651, 0.3085,
0.3267

369.1383, 0.3116,

■ 3.8814, 0.3074,

0.3284

0.3262

434.4197, 0.3116,
0.3284

■ 1.6075, 0.3056,
0.3252

■ 0.3626, 0.2920,
0.3180

■ 83.5978, 0.3108,
0.3280

■ 83.5978, 0.3108,
0.3280

■ 75.4746, 0.2953,
0.3195

■ 91.9407, 0.3242,
0.3357

■ 68.0556, 0.2798,
0.3101

■ 96.7129, 0.3235,
0.3431

■ 61.3194, 0.2645,
0.2999

■ 98.8928, 0.3232,
0.3464

■ 55.2391, 0.2498,
0.2888

■ 49.7859, 0.2361,
0.2771

■ 44.9284, 0.2237,
0.2648

■ 40.6317, 0.2130,
0.2522

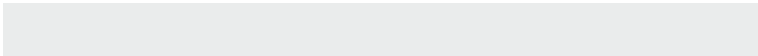
■ 36.8559, 0.2043,
0.2396

■ 33.5539, 0.1977,
0.2270

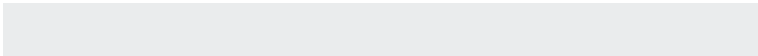
Harmonies

Analogous

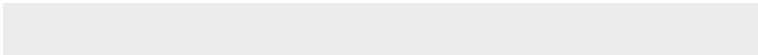
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5978, 0.3110, 0.3288



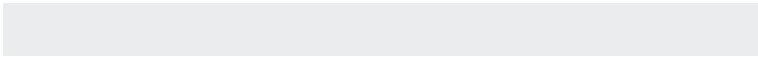
83.5978, 0.3108, 0.3280



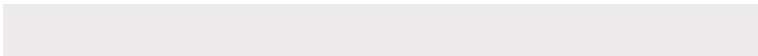
83.5978, 0.3111, 0.3275

Triad

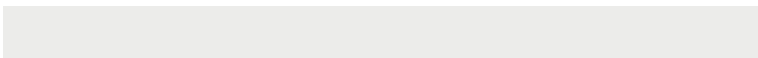
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5978, 0.3108, 0.3280



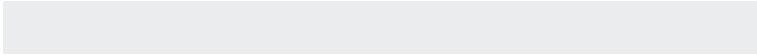
83.5978, 0.3138, 0.3283



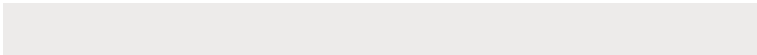
83.5978, 0.3136, 0.3307

Complementary

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



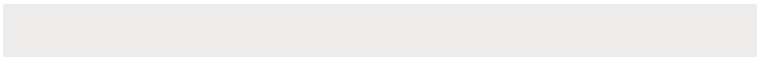
83.5978, 0.3108, 0.3280



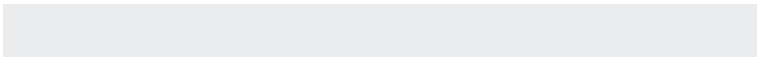
83.3511, 0.3146, 0.3300

Split Complementary

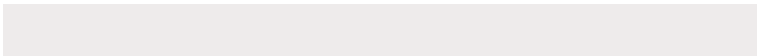
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5978, 0.3143, 0.3306



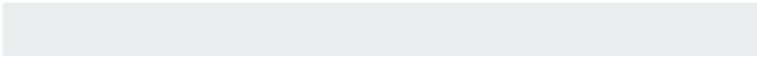
83.5978, 0.3108, 0.3280



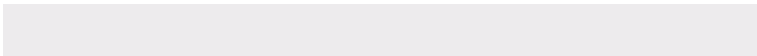
83.5978, 0.3145, 0.3292

Square

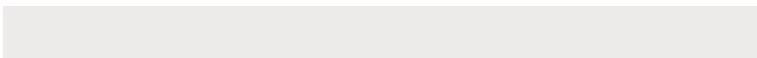
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



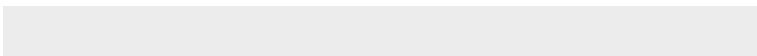
83.5978, 0.3108, 0.3280



83.5978, 0.3128, 0.3277



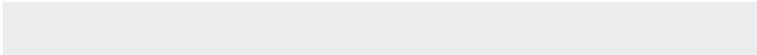
83.5978, 0.3147, 0.3300



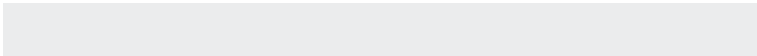
83.5978, 0.3126, 0.3304

Rectangle

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



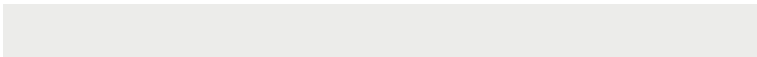
83.5978, 0.3108, 0.3280



83.5978, 0.3116, 0.3273



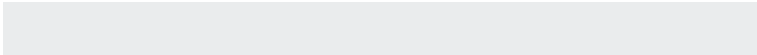
83.5978, 0.3147, 0.3300



83.5978, 0.3139, 0.3307

Sweetspot

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



83.6014, 0.3108, 0.3280

100.0000, 0.3127, 0.3290



84.0437, 0.3120, 0.3311



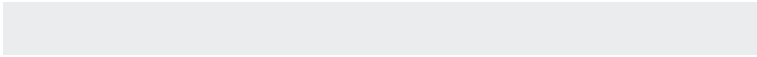
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

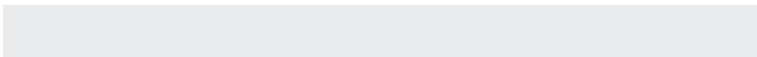
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6014, 0.3108, 0.3280



98.9869, 0.3112, 0.3282



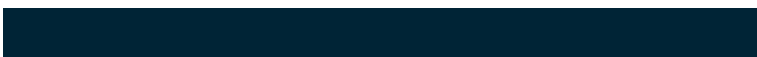
82.7736, 0.3109, 0.3265



17.7160, 0.3113, 0.3282



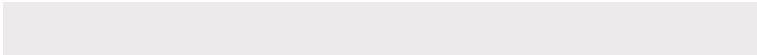
17.1720, 0.1940, 0.2182



1.5228, 0.1987, 0.2354

Inverse Universe

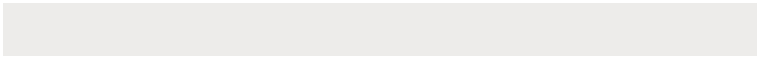
The Inverse Universe completely reimagines the original color for something new.



82.9125, 0.3135, 0.3270



98.3300, 0.3133, 0.3274



84.1809, 0.3146, 0.3315



17.6052, 0.3133, 0.3275



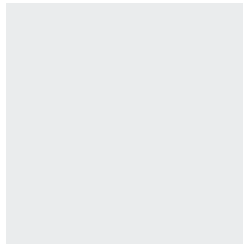
11.2263, 0.4251, 0.2116



0.8991, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 83.5978, 0.3108, 0.3280 looks on a white background.

Color Contrast Check

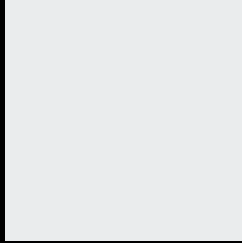
Large Text (above 18pt) WCAG AA × Fail

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 83.5978, 0.3108, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

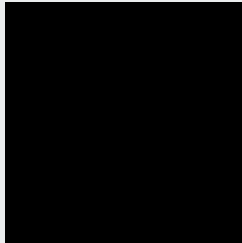
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

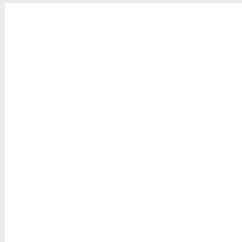
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5978, 0.3108, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 83.5978, 0.3108, 0.3280.

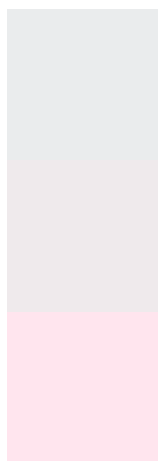


This preview shows how white text looks on a background with the Yxy color 83.5978, 0.3108, 0.3280.

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

83.5978, 0.3108, 0.3280

Protanopia

83.2525, 0.3148, 0.3270

Deuteranopia

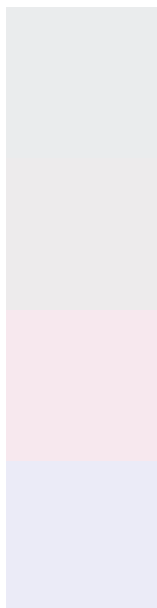
83.4717, 0.3249, 0.3202



Tritanopia

83.7068, 0.3030, 0.3109

Trichromacy



Original Color

83.5978, 0.3108, 0.3280

Protanomaly

83.4773, 0.3134, 0.3280

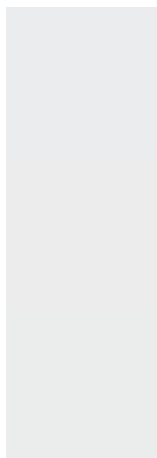
Deuteranomaly

83.6604, 0.3191, 0.3230

Tritanomaly

83.7942, 0.3054, 0.3168

Monochromacy



Original Color

83.5978, 0.3108, 0.3280

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7092, 0.3121, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5978, 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(234, 236, 237) looks like.

```
.text, #text, p{  
    color:rgb(234, 236, 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(234, 236, 237) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 83.5978, 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(234, 236, 237) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 83.5978, 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(234, 236, 237) }
```

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

```
.background{ background-color: rgb(234,  
236, 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](#).

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