

Converting Colors

Yxy(83.1676, 0.3140, 0.3309)

Have a look what the booklet for
Yxy(83.1676, 0.3140, 0.3309)
contains.

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Color

Yxy(82.9620, 0.3140, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBE9
RGB	235, 235, 233
RGB Percent	92%, 92%, 91%
CMY	0.0783, 0.0784, 0.0864
CMYK	0.00, 0.00, 0.01, 0.08
HSL	59°, 5%, 92%
HSV	59°, 1%, 92%
XYZ	78.6773, 82.9620, 88.9254
YIQ	234.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

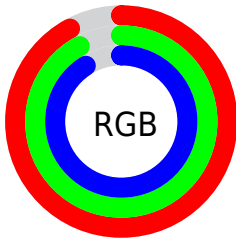
Format	Color
R_{YB}	233, 235, 233
Decimal	15461353
CIE Lab	93.00, -0.35, 0.98
CIE LCh	93, 1.040, 109.594
Yxy	82.9620, 0.3140, 0.3311
Android (android.graphics.Color)	4293651433 (0xFFEBEBE9)
YUV	234.7720, -0.8736, 0.2000
Hunter-Lab	91.0835, -5.2089, 5.8732

Details

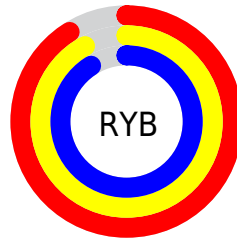
The Yxy color **82.9620, 0.3140, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.5810, 0.3114, 0.3269**, and the grayscale version is **82.9044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9982, 0.3143, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **81.5941, 0.3290, 0.3556**, and if you desaturate by 10%, it is **84.4216, 0.3006, 0.3091**.

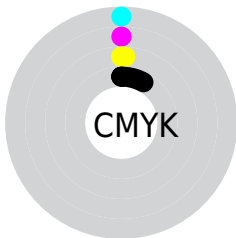
Distribution



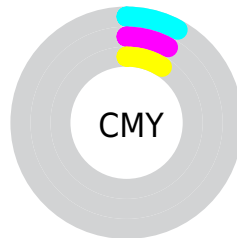
- Red (92%)
- Green (92%)
- Blue (91%)



- Red (91%)
- Yellow (92%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9620, 0.3140, 0.3311 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 82.9620, 0.3140, 0.3311 by changing the saturation by 10% instead.

■ 82.9620, 0.3140,
0.3311

■ 82.9620, 0.3140,
0.3311

504.8599, 0.3134,
0.3302

■ 62.1588, 0.3141,
0.3313

137.5222, 0.3138,
0.3308

■ 45.1610, 0.3143,
0.3316

172.0481, 0.3137,
0.3307

■ 31.5843, 0.3145,
0.3319

211.9169, 0.3137,
0.3305

■ 21.0442, 0.3147,
0.3323

257.5131, 0.3136,
0.3304

■ 13.1563, 0.3151,
0.3329

309.2211, 0.3135,
0.3304

■ 7.5363, 0.3156,
0.3337

367.4253, 0.3135,

■ 3.7997, 0.3163,

0.3303

432.5101, 0.3135,
0.3302

0.3348

■ 1.5621, 0.3175,
0.3369

■ 0.3319, 0.3294,
0.3562

■ 82.9620, 0.3140,
0.3311

■ 82.9620, 0.3140,
0.3311

■ 81.5941, 0.3290,
0.3556

■ 84.4216, 0.3006,
0.3091

■ 80.3946, 0.3443,
0.3806


■ 84.5386, 0.3006,
0.3093

■ 79.3596, 0.3595,
0.4055


■ 84.6558, 0.3006,
0.3096

■ 78.4812, 0.3741,
0.4293


■ 84.7730, 0.3006,
0.3098

 77.7505, 0.3875,
0.4510


 84.8904, 0.3006,
0.3100

 77.1580, 0.3991,
0.4697


 85.0080, 0.3006,
0.3102


 76.6931, 0.4084,
0.4846

 85.1257, 0.3006,
0.3104

 76.3435, 0.4150,
0.4952

 85.2435, 0.3006,
0.3106

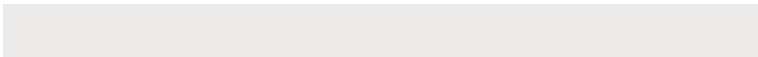
 76.0946, 0.4191,
0.5014

 85.3614, 0.3006,
0.3108

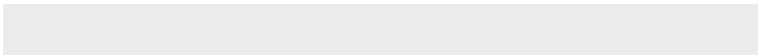
Harmonies

Analogous

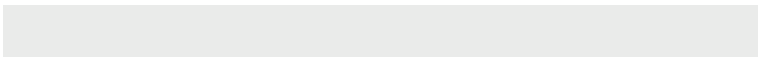
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9620, 0.3148, 0.3308



82.9620, 0.3140, 0.3311



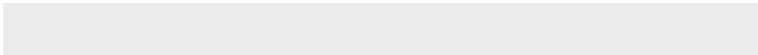
82.9620, 0.3128, 0.3308

Triad

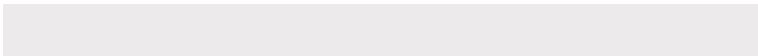
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9620, 0.3140, 0.3311



82.9620, 0.3104, 0.3280



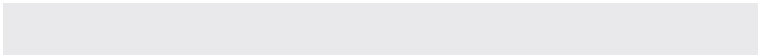
82.9620, 0.3138, 0.3280

Complementary

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



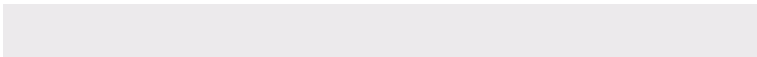
82.9620, 0.3140, 0.3311



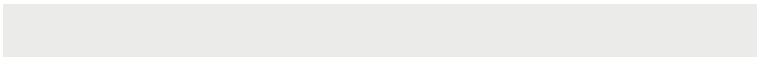
81.5810, 0.3114, 0.3269

Split Complementary

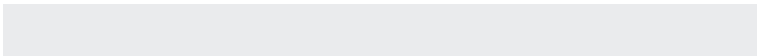
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9620, 0.3126, 0.3272



82.9620, 0.3140, 0.3311



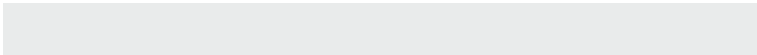
82.9620, 0.3106, 0.3272

Square

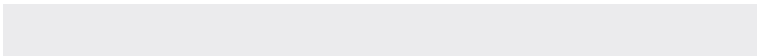
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



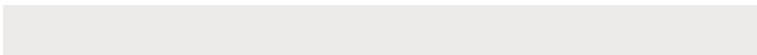
82.9620, 0.3140, 0.3311



82.9620, 0.3108, 0.3290



82.9620, 0.3115, 0.3270



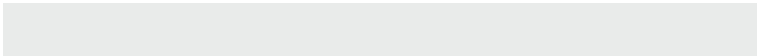
82.9620, 0.3147, 0.3290

Rectangle

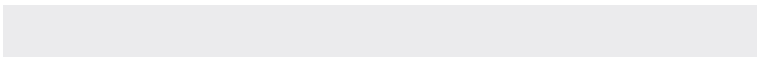
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



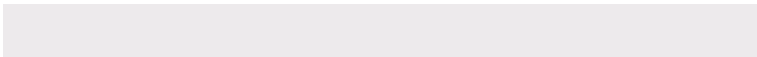
82.9620, 0.3140, 0.3311



82.9620, 0.3120, 0.3303



82.9620, 0.3115, 0.3270



82.9620, 0.3134, 0.3277

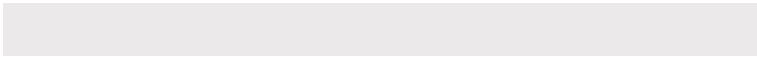
Sweetspot

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



82.9656, 0.3140, 0.3311

100.0000, 0.3127, 0.3290



81.8033, 0.3141, 0.3290



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.



82.9656, 0.3140, 0.3311



99.8227, 0.3142, 0.3314



82.8066, 0.3133, 0.3311



17.8569, 0.3141, 0.3313



42.2622, 0.4208, 0.5041



3.3259, 0.4206, 0.5042

Inverse Universe

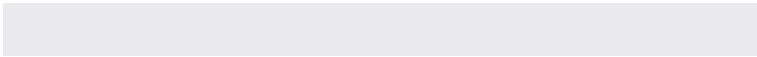
The Inverse Universe completely reimagines the original color for something new.



81.5810, 0.3114, 0.3269



97.9173, 0.3112, 0.3266



81.7391, 0.3121, 0.3269



17.5356, 0.3113, 0.3267



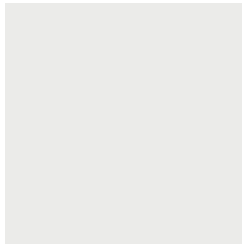
3.3724, 0.1502, 0.0606



0.2722, 0.1506, 0.0621

Previews

White Background



This preview shows how the Yxy color 82.9620, 0.3140, 0.3311 looks on a white background.

Color Contrast Check

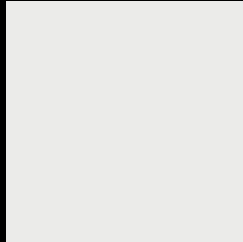
Large Text (above 18pt) WCAG AA × Fail

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 82.9620, 0.3140, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

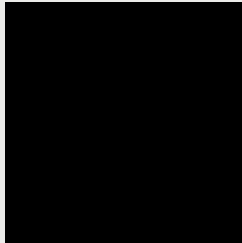
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

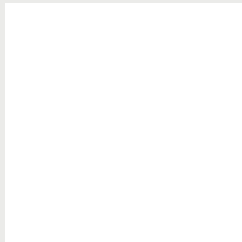
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9620, 0.3140, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 82.9620, 0.3140, 0.3311.

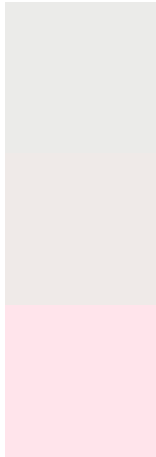


This preview shows how white text looks on a background with the Yxy color 82.9620, 0.3140, 0.3311.

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

82.9620, 0.3140, 0.3311

Protanopia

83.0226, 0.3173, 0.3311

Deuteranopia

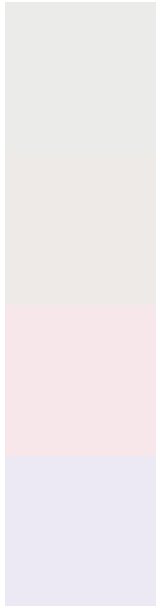
82.7450, 0.3269, 0.3221



Tritanopia

82.8554, 0.3050, 0.3099

Trichromacy



Original Color

82.9620, 0.3140, 0.3311

Protanomaly

82.8490, 0.3167, 0.3311

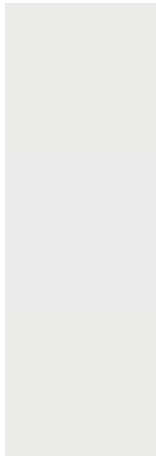
Deuteranomaly

83.0488, 0.3225, 0.3260

Tritanomaly

82.8140, 0.3086, 0.3179

Monochromacy



Original Color

82.9620, 0.3140, 0.3311

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0193, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9620, 0.3140, 0.3311 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(235, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 233)  
}
```

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(235, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.9620, 0.3140, 0.3311 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(235, 235, 233) }
```

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

```
.border{ border-color:rgb(235, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 82.9620, 0.3140, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 233) }
```

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

```
.background{ background-color: rgb(235,  
235, 233) }
```

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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