

Converting Colors

$Y_{xy}(81.3907, 0.3132, 0.3272)$

Have a look what the booklet for
Yxy(81.3907, 0.3132, 0.3272)
contains.

Yxy(81.3159, 0.3135, 0.3269)	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(81.3159, 0.3135, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	EBE8EA
RGB	235, 232, 234
RGB Percent	92%, 91%, 92%
CMY	0.0783, 0.0902, 0.0822
CMYK	0.00, 0.01, 0.00, 0.08
HSL	320°, 7%, 92%
HSV	320°, 1%, 92%
XYZ	77.9827, 81.3159, 89.4500
YIQ	233.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

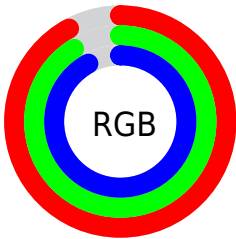
Format	Color
RYB	235, 232, 234
Decimal	15460586
CIELab	92.27, 1.39, -0.64
CIELCh	92, 1.532, 335.401
Yxy	81.3159, 0.3135, 0.3269
Android (android.graphics.Color)	4293650666 (0xFFE8E8EA)
YUV	233.1250, 0.4314, 1.6444
Hunter-Lab	90.1753, -3.4419, 4.3096

Details

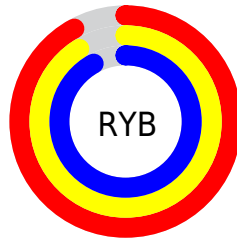
The Yxy color **81.3159, 0.3135, 0.3269** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4791, 0.3119, 0.3311**, and the grayscale version is **81.5881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8487, 0.3137, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **68.5227, 0.3202, 0.3103**, and if you desaturate by 10%, it is **95.5897, 0.3079, 0.3421**.

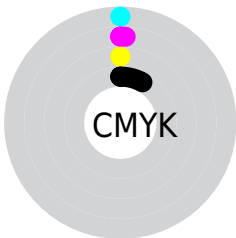
Distribution



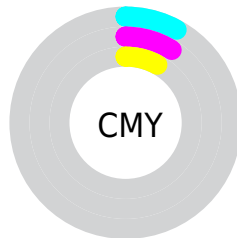
- Red (92%)
- Green (91%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3159, 0.3135, 0.3269 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 81.3159, 0.3135, 0.3269 by changing the saturation by 10% instead.

81.3159, 0.3135,
0.3269

81.3159, 0.3135,
0.3269

499.3565, 0.3131,
0.3279

60.8018, 0.3136,
0.3267

135.2142, 0.3134,
0.3272

44.0652, 0.3137,
0.3264

169.3673, 0.3133,
0.3274

30.7218, 0.3138,
0.3261

208.8354, 0.3133,
0.3275

20.3871, 0.3140,
0.3257

254.0031, 0.3133,
0.3276

12.6767, 0.3142,
0.3251

305.2546, 0.3132,
0.3277

7.2063, 0.3145,
0.3243

362.9744, 0.3132,

3.5915, 0.3149,

0.3277

0.3231

427.5469, 0.3132,
0.3278

■ 1.4478, 0.3157,
0.3210

■ 0.2515, 0.3239,
0.2983

■ 81.3159, 0.3135,
0.3269

■ 81.3159, 0.3135,
0.3269

■ 68.5227, 0.3202,
0.3103

■ 95.5897, 0.3079,
0.3421

■ 57.4453, 0.3280,
0.2929

■ 96.0673, 0.3036,
0.3343

■ 48.0126, 0.3373,
0.2753

■ 96.4096, 0.3006,
0.3290

■ 40.1444, 0.3479,
0.2580

■ 33.7541, 0.3599,
0.2419

■ 28.7461, 0.3731,
0.2281

■ 25.0140, 0.3872,
0.2177

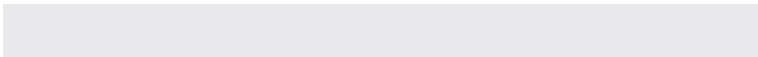
■ 22.4353, 0.4018,
0.2116

■ 20.8637, 0.4163,
0.2107

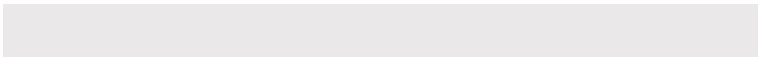
Harmonies

Analogous

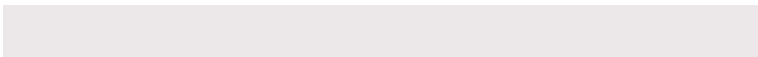
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3159, 0.3117, 0.3261



81.3159, 0.3135, 0.3269



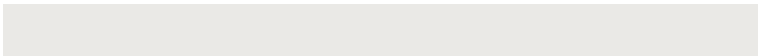
81.3159, 0.3151, 0.3283

Triad

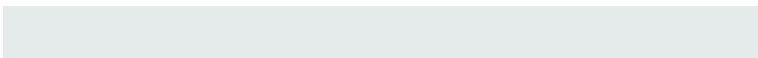
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3159, 0.3135, 0.3269



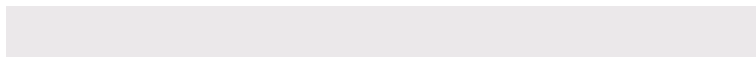
81.3159, 0.3153, 0.3320



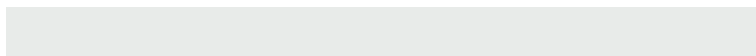
81.3159, 0.3094, 0.3282

Complementary

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



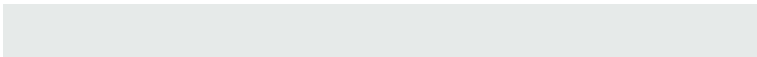
81.3159, 0.3135, 0.3269



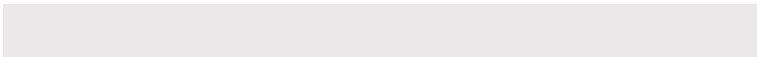
82.4791, 0.3119, 0.3311

Split Complementary

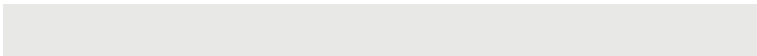
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3159, 0.3104, 0.3298



81.3159, 0.3135, 0.3269



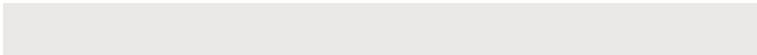
81.3159, 0.3137, 0.3320

Square

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



81.3159, 0.3135, 0.3269



81.3159, 0.3161, 0.3312



81.3159, 0.3119, 0.3312



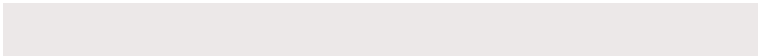
81.3159, 0.3093, 0.3268

Rectangle

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



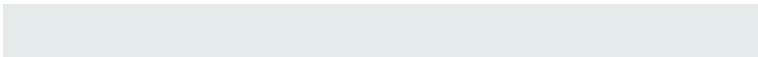
81.3159, 0.3135, 0.3269



81.3159, 0.3158, 0.3293



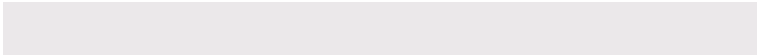
81.3159, 0.3119, 0.3312



81.3159, 0.3096, 0.3287

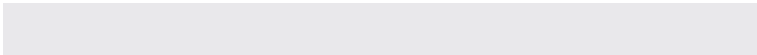
Sweetspot

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



81.3194, 0.3135, 0.3269

100.0000, 0.3127, 0.3290



81.0245, 0.3115, 0.3258



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

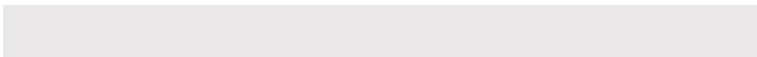
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3194, 0.3135, 0.3269



96.6807, 0.3139, 0.3258



81.2345, 0.3144, 0.3284



17.3269, 0.3139, 0.3259



11.2115, 0.4264, 0.2123



0.8981, 0.4081, 0.2022

Inverse Universe

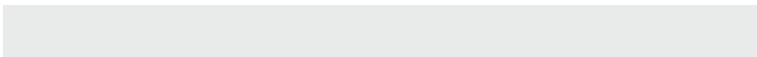
The Inverse Universe completely reimagines the original color for something new.



81.3194, 0.3135, 0.3269



96.6807, 0.3139, 0.3258



82.5642, 0.3110, 0.3296



17.3269, 0.3139, 0.3259



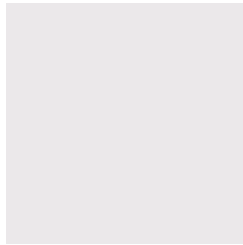
11.2115, 0.4264, 0.2123



0.8981, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 81.3159, 0.3135, 0.3269 looks on a white background.

Color Contrast Check

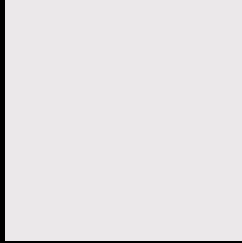
Large Text (above 18pt) WCAG AA × Fail

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 81.3159, 0.3135, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

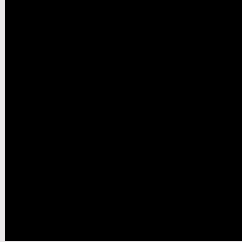
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

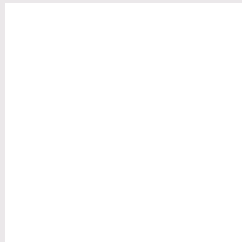
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3159, 0.3135, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 81.3159, 0.3135, 0.3269.

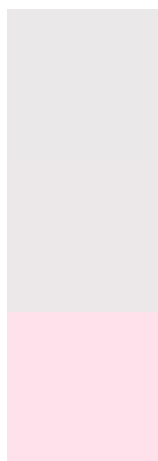


This preview shows how white text looks on a background with the Yxy color 81.3159, 0.3135, 0.3269.

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

81.3159, 0.3135, 0.3269

Protanopia

81.4866, 0.3142, 0.3270

Deuteranopia

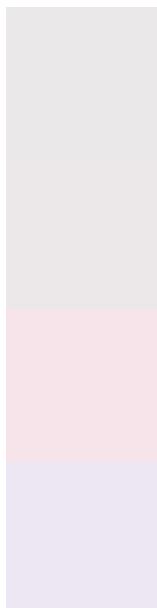
80.9194, 0.3265, 0.3191



Tritanopia

81.3755, 0.3062, 0.3108

Trichromacy



Original Color

81.3159, 0.3135, 0.3269

Protanomaly

81.4866, 0.3142, 0.3270

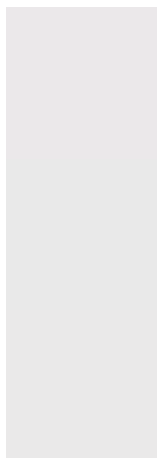
Deuteranomaly

81.2591, 0.3213, 0.3220

Tritanomaly

81.4558, 0.3086, 0.3168

Monochromacy



Original Color

81.3159, 0.3135, 0.3269

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6534, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3159, 0.3135, 0.3269 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, 232, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 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(235, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 234) }
```

Border

The CSS property to change the border of an element to Yxy 81.3159, 0.3135, 0.3269 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, 232, 234) }
```

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

```
.border{ border-color:rgb(235, 232, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
234) }
```

Background

The CSS property to change the background color of an element to Yxy 81.3159, 0.3135, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 234) }
```

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

```
.background{ background-color: rgb(235,  
232, 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