

Converting Colors

$Y_{xy}(81.1379, 0.3110, 0.3256)$

Have a look what the booklet for
Yxy(81.1379, 0.3110, 0.3256)
contains.

Yxy(81.0930, 0.3109, 0.3249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.0930, 0.3109, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E9E8EC
RGB	233, 232, 236
RGB Percent	91%, 91%, 93%
CMY	0.0863, 0.0902, 0.0746
CMYK	0.01, 0.02, 0.00, 0.07
HSL	255°, 9%, 92%
HSV	255°, 2%, 93%
XYZ	77.5987, 81.0930, 90.9020
YIQ	232.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

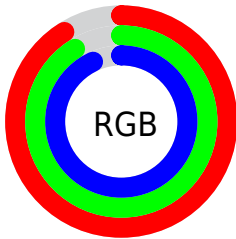
Format	Color
RYB	233, 232, 236
Decimal	15329516
CIELab	92.17, 1.05, -1.82
CIELCh	92, 2.099, 300.042
Yxy	81.0930, 0.3109, 0.3249
Android (android.graphics.Color)	4293519596 (0xFFE9E8EC)
YUV	232.7550, 1.5998, 0.2149
Hunter-Lab	90.0517, -3.7746, 3.1863

Details

The Yxy color **81.0930, 0.3109, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4647, 0.3145, 0.3331**, and the grayscale version is **81.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6931, 0.3103, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **65.8614, 0.2991, 0.2989**, and if you desaturate by 10%, it is **98.0267, 0.3211, 0.3475**.

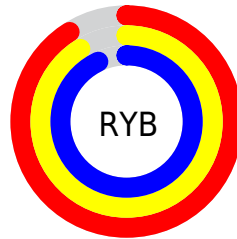
Distribution



Red (91%)

Green (91%)

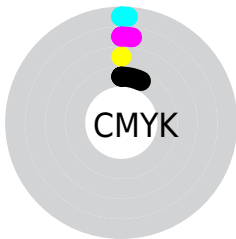
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

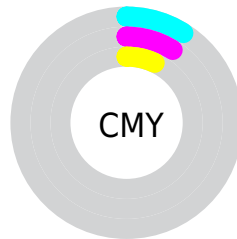


Cyan (1%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0930, 0.3109, 0.3249 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 81.0930, 0.3109, 0.3249 by changing the saturation by 10% instead.

81.0930, 0.3109,
0.3249

81.0930, 0.3109,
0.3249

498.6087, 0.3117,
0.3268

60.6182, 0.3107,
0.3245

134.9013, 0.3112,
0.3255

43.9171, 0.3105,
0.3240

169.0037, 0.3113,
0.3258

30.6054, 0.3102,
0.3233

208.4173, 0.3114,
0.3260

20.2985, 0.3098,
0.3225

253.5266, 0.3115,
0.3262

12.6122, 0.3093,
0.3214

304.7160, 0.3116,
0.3264

7.1621, 0.3086,
0.3198

362.3699, 0.3116,

3.5637, 0.3075,

0.3265

0.3174

426.8727, 0.3117,
0.3266

■ 1.4326, 0.3057,
0.3134

■ 0.2406, 0.2877,
0.2722

■ 81.0930, 0.3109,
0.3249

■ 81.0930, 0.3109,
0.3249

■ 65.8614, 0.2991,
0.2989

■ 98.0267, 0.3211,
0.3475

■ 52.6292, 0.2856,
0.2701

■ 98.8349, 0.3238,
0.3474

■ 41.3154, 0.2703,
0.2390

■ 31.8295, 0.2534,
0.2062

■ 24.0737, 0.2355,
0.1731

■ 17.9407, 0.2173,
0.1414

■ 13.3111, 0.1998,
0.1133

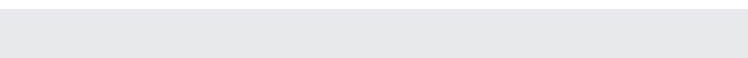
■ 10.0485, 0.1842,
0.0908

■ 7.9904, 0.1714,
0.0753

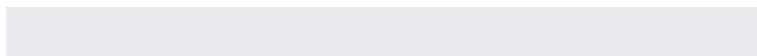
Harmonies

Analogous

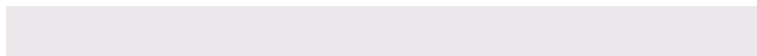
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0930, 0.3090, 0.3250



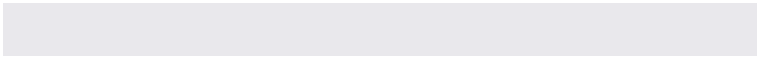
81.0930, 0.3109, 0.3249



81.0930, 0.3133, 0.3258

Triad

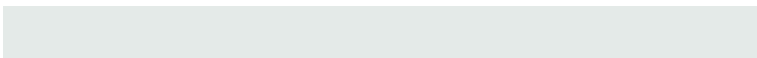
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0930, 0.3109, 0.3249



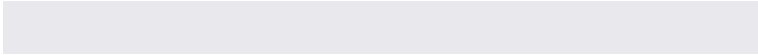
81.0930, 0.3175, 0.3318



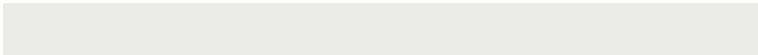
81.0930, 0.3098, 0.3304

Complementary

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



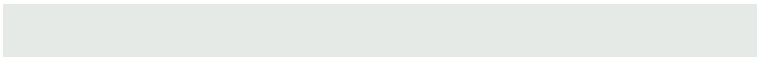
81.0930, 0.3109, 0.3249



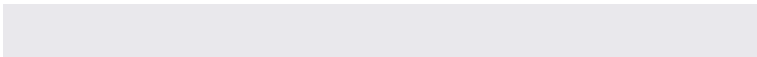
83.4647, 0.3145, 0.3331

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.



81.0930, 0.3121, 0.3322



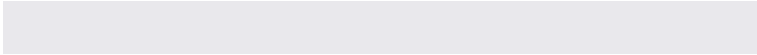
81.0930, 0.3109, 0.3249



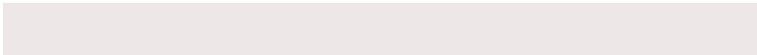
81.0930, 0.3165, 0.3330

Square

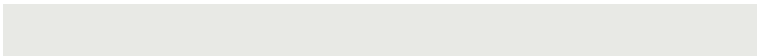
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



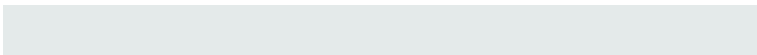
81.0930, 0.3109, 0.3249



81.0930, 0.3171, 0.3298



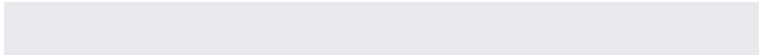
81.0930, 0.3145, 0.3332



81.0930, 0.3083, 0.3282

Rectangle

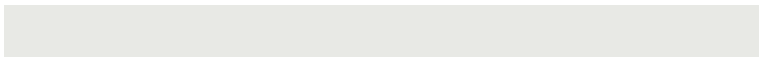
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



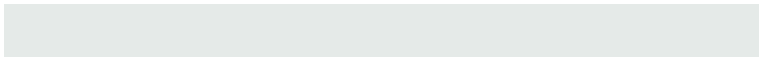
81.0930, 0.3109, 0.3249



81.0930, 0.3149, 0.3270



81.0930, 0.3145, 0.3332



81.0930, 0.3105, 0.3311

Sweetspot

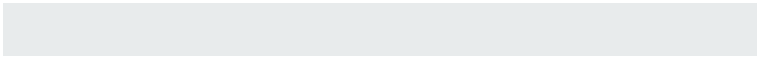
The Sweet Spot groups the original color and five complimentary colors.



81.0965, 0.3109, 0.3249



98.0231, 0.3116, 0.3266



82.6206, 0.3101, 0.3280



21.0018, 0.3117, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

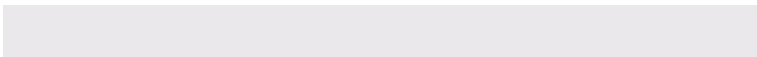
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0965, 0.3109, 0.3249



96.0712, 0.3105, 0.3241



81.4322, 0.3122, 0.3249



17.2241, 0.3107, 0.3244



3.9039, 0.1647, 0.0681



0.3509, 0.1784, 0.0757

Inverse Universe

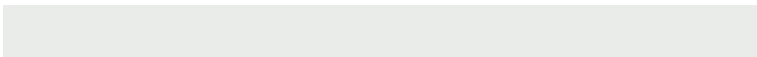
The Inverse Universe completely reimagines the original color for something new.



81.5440, 0.3135, 0.3260



96.7071, 0.3137, 0.3254



83.1290, 0.3132, 0.3331



17.3313, 0.3136, 0.3256



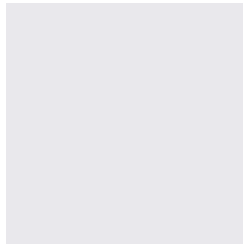
11.5991, 0.3963, 0.1957



0.9260, 0.3836, 0.1887

Previews

White Background



This preview shows how the Yxy color 81.0930, 0.3109, 0.3249 looks on a white background.

Color Contrast Check

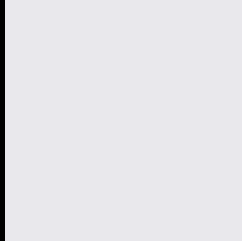
Large Text (above 18pt) WCAG AA × Fail

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 81.0930, 0.3109, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

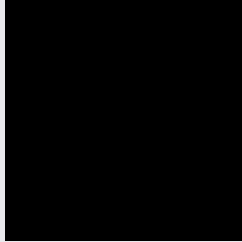
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

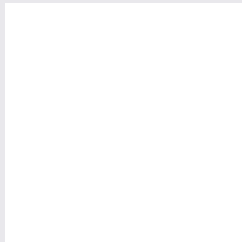
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0930, 0.3109, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 81.0930, 0.3109, 0.3249.

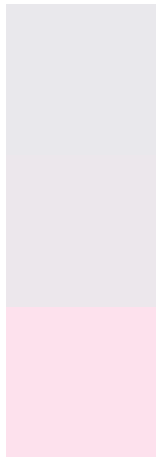


This preview shows how white text looks on a background with the Yxy color 81.0930, 0.3109, 0.3249.

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

81.0930, 0.3109, 0.3249

Protanopia

81.0408, 0.3130, 0.3239

Deuteranopia

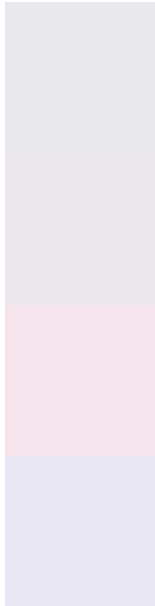
80.8475, 0.3245, 0.3171



Tritanopia

81.0331, 0.3048, 0.3107

Trichromacy



Original Color

81.0930, 0.3109, 0.3249

Protanomaly

80.8701, 0.3123, 0.3239

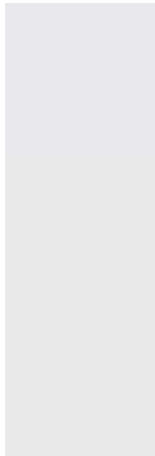
Deuteranomaly

81.1941, 0.3194, 0.3200

Tritanomaly

81.1759, 0.3066, 0.3157

Monochromacy



Original Color

81.0930, 0.3109, 0.3249

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5420, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0930, 0.3109, 0.3249 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(233, 232, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 236)  
}
```

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(233, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 236) }
```

Border

The CSS property to change the border of an element to Yxy 81.0930, 0.3109, 0.3249 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(233, 232, 236) }
```

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

```
.border{ border-color:rgb(233, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0930, 0.3109, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 236) }
```

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

```
.background{ background-color: rgb(233,  
232, 236) }
```

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