

Converting Colors

$Yxy(80.0813, 0.3108, 0.3259)$

Have a look what the booklet for
Yxy(80.0813, 0.3108, 0.3259)
contains.

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Color

Yxy(80.0813, 0.3108, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7EA
RGB	231, 231, 234
RGB Percent	91%, 91%, 92%
CMY	0.0943, 0.0940, 0.0824
CMYK	0.01, 0.01, 0.00, 0.08
HSL	239°, 7%, 91%
HSV	239°, 1%, 92%
XYZ	76.3709, 80.0813, 89.2714
YIQ	231.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

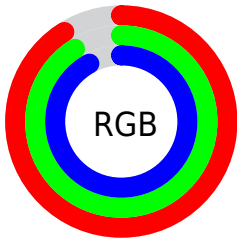
Format	Color
RYB	231, 231, 234
Decimal	15198186
CIELab	91.72, 0.52, -1.46
CIELCh	92, 1.552, 289.569
Yxy	80.0813, 0.3108, 0.3259
Android (android.graphics.Color)	4293388266 (0xFFE7E7EA)
YUV	231.3420, 1.3104, -0.2999
Hunter-Lab	89.4882, -4.2690, 3.4953

Details

The Yxy color **80.0813, 0.3108, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0675, 0.3146, 0.3321**, and the grayscale version is **80.1673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9883, 0.3103, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **64.4507, 0.2949, 0.3002**, and if you desaturate by 10%, it is **97.9179, 0.3247, 0.3483**.

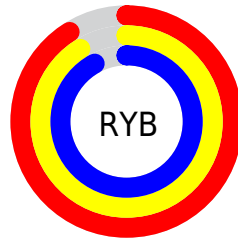
Distribution



Red (91%)

Green (91%)

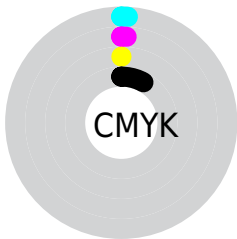
Blue (92%)



Red (91%)

Yellow (91%)

Blue (92%)

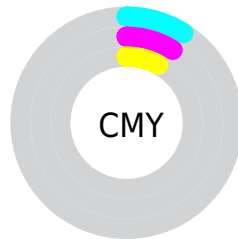


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (9%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0813, 0.3108, 0.3259 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 80.0813, 0.3108, 0.3259 by changing the saturation by 10% instead.

■ 80.0813, 0.3108,
0.3259

■ 80.0813, 0.3108,
0.3259

495.2068, 0.3117,
0.3273

■ 59.7853, 0.3106,
0.3256

133.4800, 0.3111,
0.3264

■ 43.2456, 0.3104,
0.3252

167.3515, 0.3112,
0.3266

■ 30.0778, 0.3101,
0.3247

206.5169, 0.3113,
0.3267

■ 19.8977, 0.3097,
0.3241

251.3607, 0.3114,
0.3269

■ 12.3207, 0.3091,
0.3232

302.2671, 0.3115,
0.3270

■ 6.9625, 0.3084,
0.3220

359.6207, 0.3116,

■ 3.4386, 0.3072,

0.3271

423.8058, 0.3116,
0.3272

0.3201

1.3648, 0.3052,
0.3170

0.1906, 0.2792,
0.2745

80.0813, 0.3108,
0.3259

80.0813, 0.3108,
0.3259

64.4507, 0.2949,
0.3002

97.9179, 0.3247,
0.3483

50.9307, 0.2770,
0.2710

98.7204, 0.3250,
0.3493

39.4339, 0.2572,
0.2388

29.8632, 0.2361,
0.2043

■ 22.1131, 0.2147,
0.1690

■ 16.0684, 0.1942,
0.1352

■ 11.6004, 0.1763,
0.1054

■ 8.5625, 0.1626,
0.0823

■ 6.7805, 0.1540,
0.0674

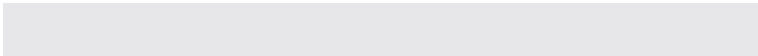
Harmonies

Analogous

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



80.0813, 0.3096, 0.3263



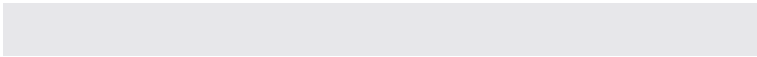
80.0813, 0.3108, 0.3259



80.0813, 0.3125, 0.3263

Triad

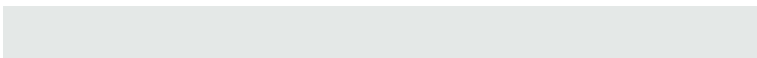
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0813, 0.3108, 0.3259



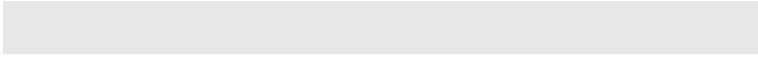
80.0813, 0.3163, 0.3306



80.0813, 0.3111, 0.3306

Complementary

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



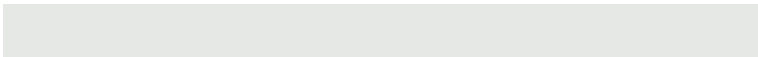
80.0813, 0.3108, 0.3259



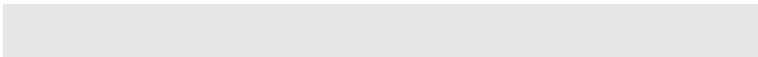
82.0675, 0.3146, 0.3321

Split Complementary

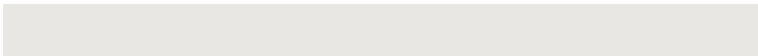
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0813, 0.3129, 0.3317



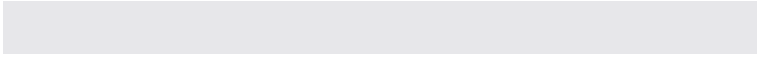
80.0813, 0.3108, 0.3259



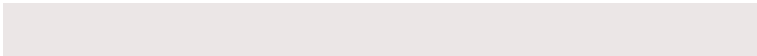
80.0813, 0.3159, 0.3317

Square

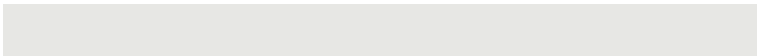
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0813, 0.3108, 0.3259



80.0813, 0.3157, 0.3290



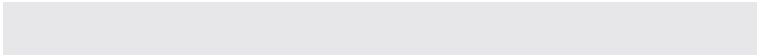
80.0813, 0.3146, 0.3322



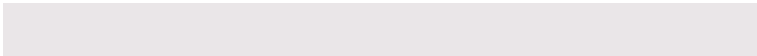
80.0813, 0.3098, 0.3290

Rectangle

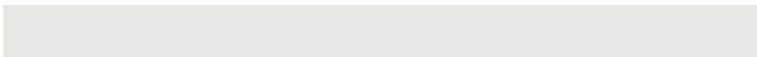
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0813, 0.3108, 0.3259



80.0813, 0.3138, 0.3270



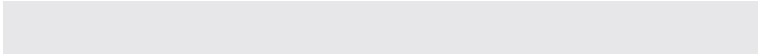
80.0813, 0.3146, 0.3322



80.0813, 0.3117, 0.3310

Sweetspot

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



80.0847, 0.3108, 0.3259

100.0000, 0.3127, 0.3290



81.7608, 0.3107, 0.3291



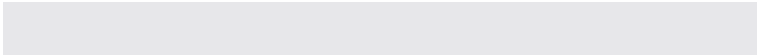
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

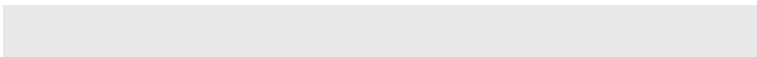
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0847, 0.3108, 0.3259



95.9008, 0.3097, 0.3242



80.2863, 0.3118, 0.3258



17.1953, 0.3099, 0.3245



3.4204, 0.1504, 0.0613



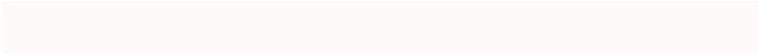
0.2864, 0.1514, 0.0650

Inverse Universe

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



80.3899, 0.3147, 0.3289



96.4716, 0.3159, 0.3289



81.8644, 0.3137, 0.3322



17.2916, 0.3157, 0.3289



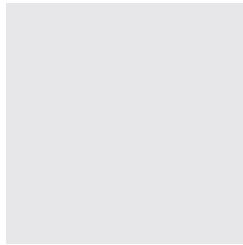
9.8381, 0.6378, 0.3287



0.7743, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 80.0813, 0.3108, 0.3259 looks on a white background.

Color Contrast Check

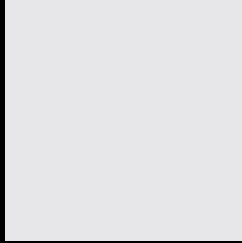
Large Text (above 18pt) WCAG AA × Fail

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 80.0813, 0.3108, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

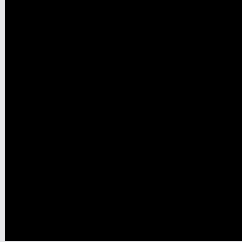
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

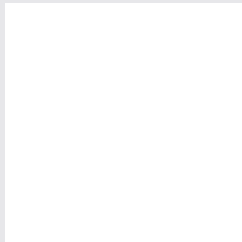
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0813, 0.3108, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 80.0813, 0.3108, 0.3259.

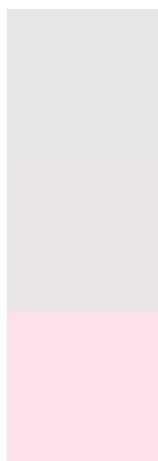


This preview shows how white text looks on a background with the Yxy color 80.0813, 0.3108, 0.3259.

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

80.0813, 0.3108, 0.3259

Protanopia

79.9692, 0.3135, 0.3259

Deuteranopia

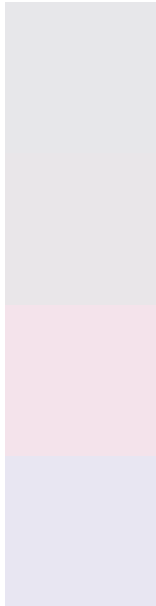
79.8187, 0.3245, 0.3180



Tritanopia

80.0777, 0.3041, 0.3106

Trichromacy



Original Color

80.0813, 0.3108, 0.3259

Protanomaly

79.8005, 0.3129, 0.3259

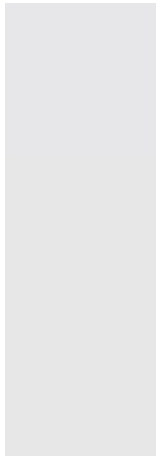
Deuteranomaly

80.1694, 0.3193, 0.3209

Tritanomaly

80.1602, 0.3065, 0.3167

Monochromacy



Original Color

80.0813, 0.3108, 0.3259

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.9669, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0813, 0.3108, 0.3259 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(231, 231, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 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(231, 231, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.0813, 0.3108, 0.3259 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(231, 231, 234) }
```

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

```
.border{ border-color:rgb(231, 231, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
234) }
```

Background

The CSS property to change the background color of an element to Yxy 80.0813, 0.3108, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 234) }
```

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

```
.background{ background-color: rgb(231,  
231, 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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