

Converting Colors

$Yxy(80.3728, 0.3088, 0.3279)$

Have a look what the booklet for
Yxy(80.3728, 0.3088, 0.3279)
contains.

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Color

Yxy(80.7123, 0.3087, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	E4E9EA
RGB	228, 233, 234
RGB Percent	89%, 91%, 92%
CMY	0.1059, 0.0863, 0.0822
CMYK	0.03, 0.00, 0.00, 0.08
HSL	190°, 13%, 91%
HSV	190°, 3%, 92%
XYZ	75.9862, 80.7123, 89.4506
YIQ	231.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

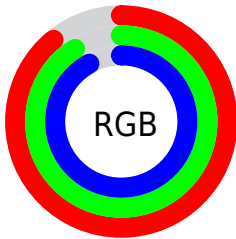
Format	Color
R _Y B	228, 231, 234
Decimal	15002090
CIE Lab	92.00, -1.48, -1.10
CIE LCh	92, 1.843, 216.692
Yxy	80.7123, 0.3087, 0.3279
Android (android.graphics.Color)	4293192170 (0xFFE4E9EA)
YUV	231.6190, 1.1738, -3.1739
Hunter-Lab	89.8400, -6.2456, 3.8550

Details

The Yxy color **80.7123, 0.3087, 0.3279** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.1539, 0.3168, 0.3301**, and the grayscale version is **80.3916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5429, 0.3084, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **74.8929, 0.2934, 0.3234**, and if you desaturate by 10%, it is **87.1086, 0.3242, 0.3320**.

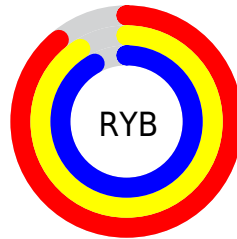
Distribution



Red (89%)

Green (91%)

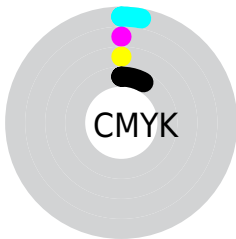
Blue (92%)



Red (89%)

Yellow (91%)

Blue (92%)

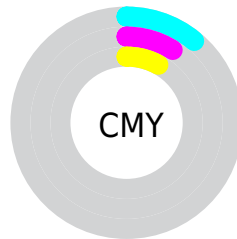


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (9%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7123, 0.3087, 0.3279 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 80.7123, 0.3087, 0.3279 by changing the saturation by 10% instead.

■ 80.7123, 0.3087,
0.3279

■ 80.7123, 0.3087,
0.3279

497.3301, 0.3105,
0.3284

■ 60.3047, 0.3083,
0.3278

134.3667, 0.3093,
0.3281

■ 43.6643, 0.3078,
0.3276

168.3823, 0.3096,
0.3281

■ 30.4067, 0.3072,
0.3275

207.7027, 0.3098,
0.3282

■ 20.1475, 0.3063,
0.3272

252.7122, 0.3100,
0.3283

■ 12.5023, 0.3052,
0.3269

303.7954, 0.3101,
0.3283

■ 7.0867, 0.3037,
0.3265

361.3365, 0.3103,

■ 3.5164, 0.3013,

0.3283

0.3258

425.7199, 0.3104,
0.3284

■ 1.4069, 0.2973,
0.3246

■ 0.2218, 0.2444,
0.3102

■ 80.7123, 0.3087,
0.3279

■ 80.7123, 0.3087,
0.3279

■ 74.8929, 0.2934,
0.3234

■ 87.1086, 0.3242,
0.3320

■ 69.6191, 0.2785,
0.3185

■ 90.1420, 0.3263,
0.3359

■ 64.8719, 0.2643,
0.3132

■ 92.5495, 0.3259,
0.3398

■ 60.6273, 0.2513,
0.3075

■ 95.0099, 0.3255,
0.3436

■ 56.8591, 0.2397,
0.3016

■ 97.5234, 0.3251,
0.3475

■ 53.5386, 0.2297,
0.2955

■ 98.7232, 0.3250,
0.3492

■ 50.6338, 0.2216,
0.2893

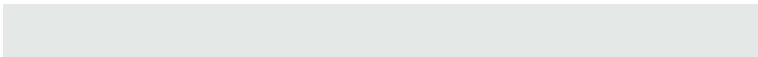
■ 48.1076, 0.2154,
0.2831

■ 45.9154, 0.2112,
0.2769

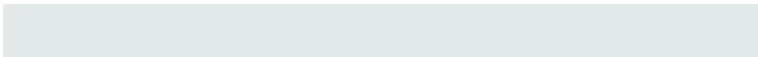
Harmonies

Analogous

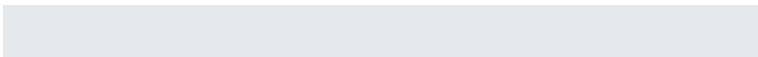
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7123, 0.3098, 0.3298



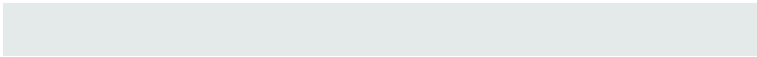
80.7123, 0.3087, 0.3279



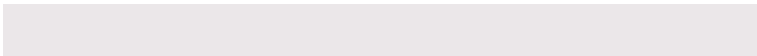
80.7123, 0.3087, 0.3263

Triad

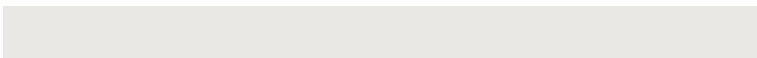
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7123, 0.3087, 0.3279



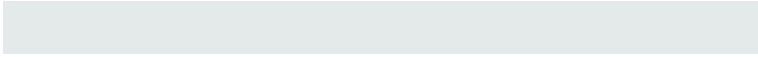
80.7123, 0.3138, 0.3265



80.7123, 0.3157, 0.3326

Complementary

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



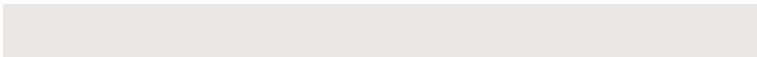
80.7123, 0.3087, 0.3279



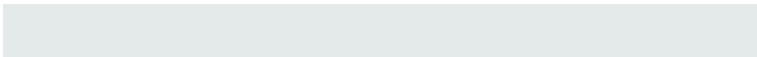
79.1539, 0.3168, 0.3301

Split Complementary

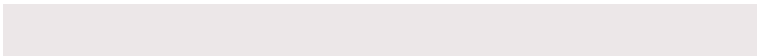
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7123, 0.3168, 0.3317



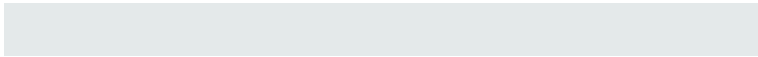
80.7123, 0.3087, 0.3279



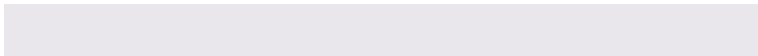
80.7123, 0.3157, 0.3282

Square

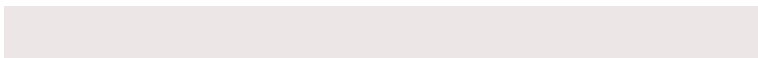
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



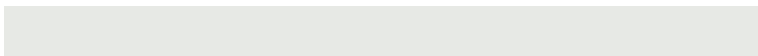
80.7123, 0.3087, 0.3279



80.7123, 0.3116, 0.3255



80.7123, 0.3168, 0.3301



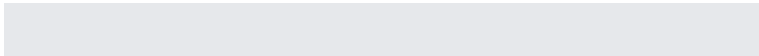
80.7123, 0.3139, 0.3326

Rectangle

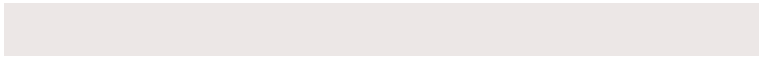
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7123, 0.3087, 0.3279



80.7123, 0.3093, 0.3256



80.7123, 0.3168, 0.3301



80.7123, 0.3162, 0.3324

Sweetspot

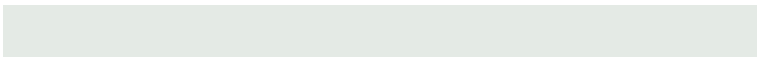
The Sweet Spot groups the original color and five complimentary colors.



80.7157, 0.3087, 0.3279



99.2404, 0.3112, 0.3286



81.0209, 0.3118, 0.3343



21.2495, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

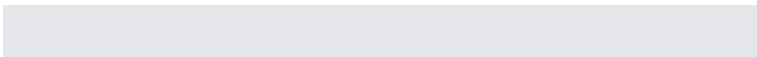
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7157, 0.3087, 0.3279



97.7422, 0.3080, 0.3277



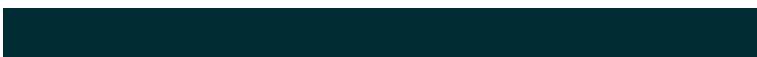
79.0312, 0.3088, 0.3248



17.3811, 0.3068, 0.3274



25.1337, 0.2093, 0.2733



2.0897, 0.2116, 0.2818

Inverse Universe

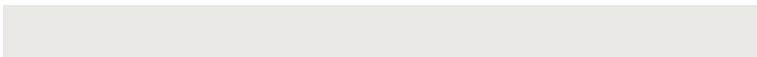
The Inverse Universe completely reimagines the original color for something new.



78.8620, 0.3137, 0.3238



95.1314, 0.3138, 0.3229



80.8291, 0.3166, 0.3332



16.7982, 0.3141, 0.3214



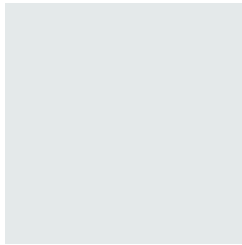
12.0301, 0.3697, 0.1810



0.9564, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 80.7123, 0.3087, 0.3279 looks on a white background.

Color Contrast Check

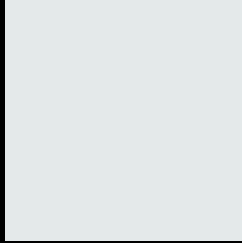
Large Text (above 18pt) WCAG AA × Fail

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 80.7123, 0.3087, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

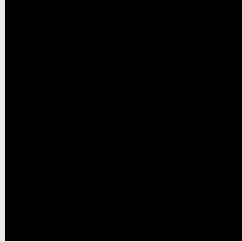
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

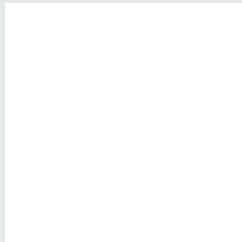
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7123, 0.3087, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 80.7123, 0.3087, 0.3279.

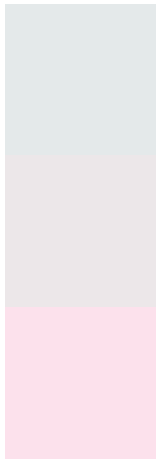


This preview shows how white text looks on a background with the Yxy color 80.7123, 0.3087, 0.3279.

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

80.7123, 0.3087, 0.3279

Protanopia

80.8679, 0.3149, 0.3270

Deuteranopia

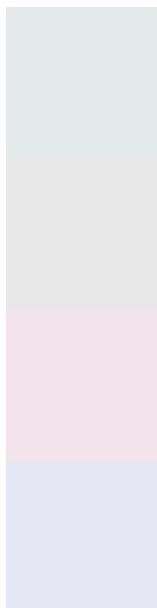
80.6020, 0.3244, 0.3181



Tritanopia

80.8144, 0.3009, 0.3106

Trichromacy



Original Color

80.7123, 0.3087, 0.3279

Protanomaly

80.9201, 0.3128, 0.3280

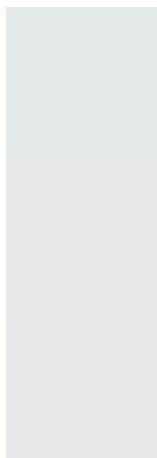
Deuteranomaly

80.5397, 0.3186, 0.3219

Tritanomaly

80.9029, 0.3033, 0.3166

Monochromacy



Original Color

80.7123, 0.3087, 0.3279

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5853, 0.3114, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7123, 0.3087, 0.3279 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(228, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 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(228, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.7123, 0.3087, 0.3279 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(228, 233, 234) }
```

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

```
.border{ border-color:rgb(228, 233, 234) }
```

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

Here you see how a box with a 4 pixel rgb(228, 233, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7123, 0.3087, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 233, 234) }
```

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

```
.background{ background-color: rgb(228,  
233, 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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