

Converting Colors

Yxy(80.8316, 0.3075, 0.3254)

Have a look what the booklet for
Yxy(80.8316, 0.3075, 0.3254)
contains.

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Color

Yxy(80.8279, 0.3075, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	E4E9EC
RGB	228, 233, 236
RGB Percent	89%, 91%, 93%
CMY	0.1060, 0.0862, 0.0746
CMYK	0.03, 0.01, 0.00, 0.07
HSL	202°, 17%, 91%
HSV	202°, 3%, 93%
XYZ	76.2644, 80.8279, 90.9221
YIQ	231.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

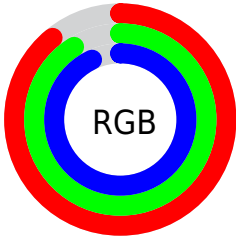
Format	Color
R_{YB}	228, 231, 236
Decimal	15002092
CIE Lab	92.06, -1.13, -2.03
CIE LCh	92, 2.329, 240.848
Yxy	80.8279, 0.3075, 0.3259
Android (android.graphics.Color)	4293192172 (0xFFE4E9EC)
YUV	231.8470, 2.0474, -3.3738
Hunter-Lab	89.9043, -5.9139, 2.9719

Details

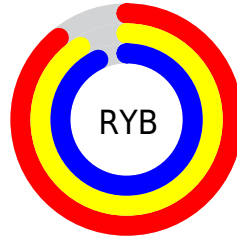
The Yxy color **80.8279, 0.3075, 0.3259** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.5446, 0.3181, 0.3321**, and the grayscale version is **80.5606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6238, 0.3069, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **72.4094, 0.2919, 0.3161**, and if you desaturate by 10%, it is **90.0247, 0.3227, 0.3347**.

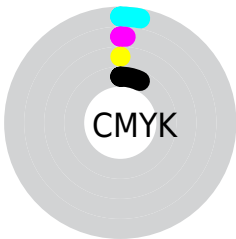
Distribution



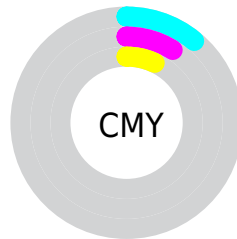
- Red (89%)
- Green (91%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8279, 0.3075, 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 80.8279, 0.3075, 0.3259 by changing the saturation by 10% instead.

80.8279, 0.3075,
0.3259

80.8279, 0.3075,
0.3259

497.7185, 0.3099,
0.3273

60.3999, 0.3070,
0.3256

134.5291, 0.3083,
0.3264

43.7410, 0.3063,
0.3252

168.5710, 0.3086,
0.3266

30.4670, 0.3055,
0.3247

207.9198, 0.3089,
0.3267

20.1933, 0.3044,
0.3241

252.9596, 0.3092,
0.3269

12.5356, 0.3030,
0.3232

304.0750, 0.3094,
0.3270

7.1096, 0.3010,
0.3220

361.6504, 0.3096,

3.5307, 0.2980,

0.3271

426.0701, 0.3097,
0.3272

0.3201

■ 1.4147, 0.2928,
0.3169

■ 0.2275, 0.2339,
0.2823

■ 80.8279, 0.3075,
0.3259

■ 80.8279, 0.3075,
0.3259

■ 72.4094, 0.2919,
0.3161

■ 90.0247, 0.3227,
0.3347

■ 64.7341, 0.2762,
0.3053

■ 95.9853, 0.3242,
0.3431

■ 57.7794, 0.2608,
0.2934

■ 98.8350, 0.3238,
0.3474

■ 51.5171, 0.2458,
0.2807

■ 45.9172, 0.2318,
0.2672

■ 40.9465, 0.2192,
0.2531

■ 36.5684, 0.2083,
0.2387

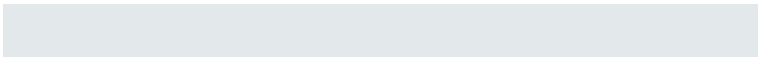
■ 32.7410, 0.1994,
0.2243

■ 29.4140, 0.1927,
0.2101

Harmonies

Analogous

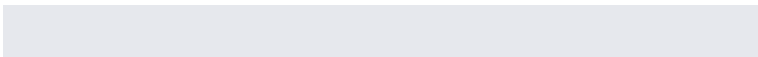
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8279, 0.3078, 0.3281



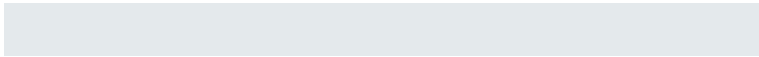
80.8279, 0.3075, 0.3259



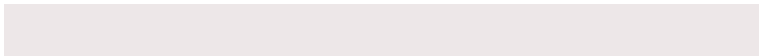
80.8279, 0.3086, 0.3246

Triad

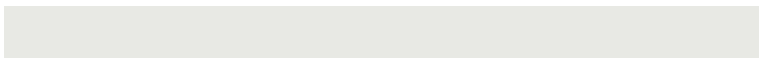
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8279, 0.3075, 0.3259



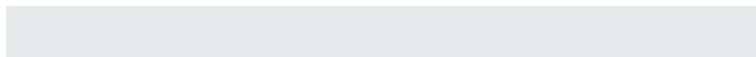
80.8279, 0.3160, 0.3275



80.8279, 0.3147, 0.3336

Complementary

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



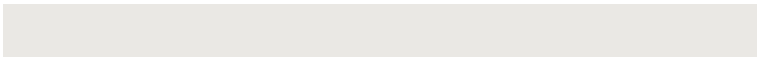
80.8279, 0.3075, 0.3259



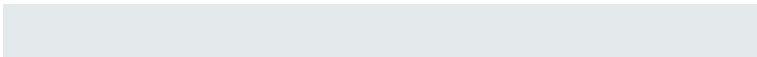
80.5446, 0.3181, 0.3321

Split Complementary

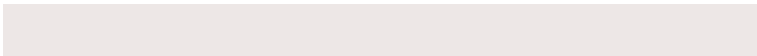
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8279, 0.3169, 0.3335



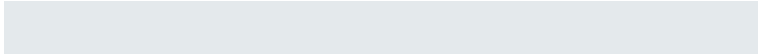
80.8279, 0.3075, 0.3259



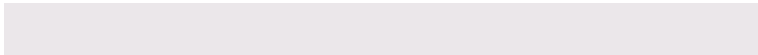
80.8279, 0.3177, 0.3299

Square

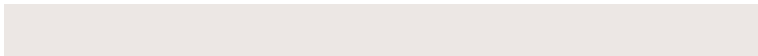
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



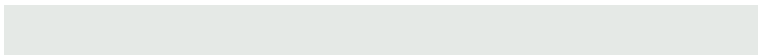
80.8279, 0.3075, 0.3259



80.8279, 0.3135, 0.3255



80.8279, 0.3180, 0.3321



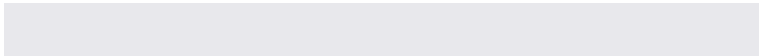
80.8279, 0.3119, 0.3325

Rectangle

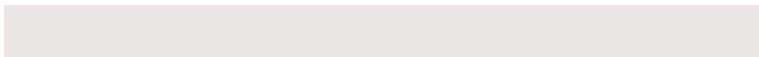
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



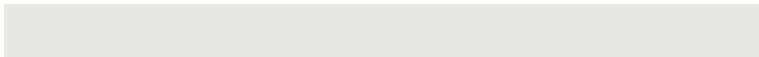
80.8279, 0.3075, 0.3259



80.8279, 0.3099, 0.3244



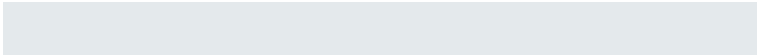
80.8279, 0.3180, 0.3321



80.8279, 0.3155, 0.3337

Sweetspot

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



80.8313, 0.3075, 0.3259



98.9190, 0.3112, 0.3281



82.2329, 0.3105, 0.3343



21.1842, 0.3113, 0.3281



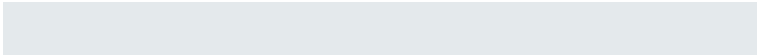
0.0000, 0.0000, 0.0000



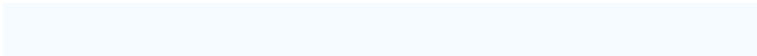
21.4041, 0.3127, 0.3290

Same Dimension

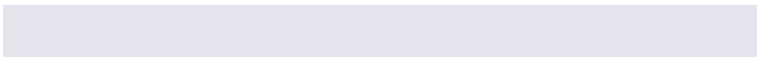
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8313, 0.3075, 0.3259



95.7319, 0.3065, 0.3253



78.6045, 0.3076, 0.3217



16.9903, 0.3054, 0.3247



15.3852, 0.1898, 0.2032



1.3911, 0.1952, 0.2226

Inverse Universe

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



79.1846, 0.3150, 0.3238



93.4231, 0.3154, 0.3228



82.7956, 0.3178, 0.3362



16.5076, 0.3159, 0.3217



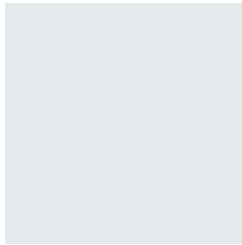
11.0460, 0.4417, 0.2207



0.8858, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 80.8279, 0.3075, 0.3259 looks on a white background.

Color Contrast Check

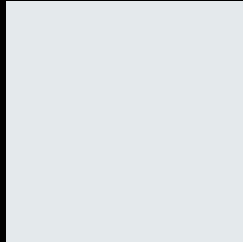
Large Text (above 18pt) WCAG AA × Fail

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 80.8279, 0.3075, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

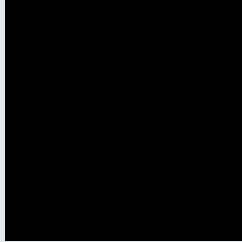
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

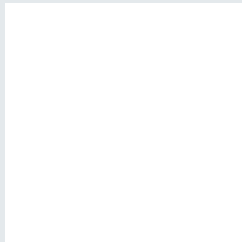
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8279, 0.3075, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 80.8279, 0.3075, 0.3259.

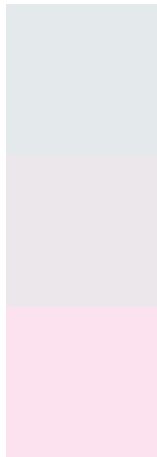


This preview shows how white text looks on a background with the Yxy color 80.8279, 0.3075, 0.3259.

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

80.8279, 0.3075, 0.3259

Protanopia

80.8122, 0.3129, 0.3249

Deuteranopia

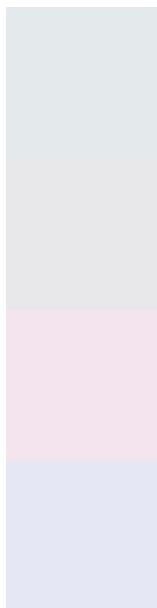
80.7189, 0.3231, 0.3161



Tritanopia

80.8144, 0.3009, 0.3106

Trichromacy



Original Color

80.8279, 0.3075, 0.3259

Protanomaly

80.8672, 0.3108, 0.3259

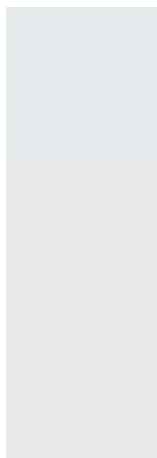
Deuteranomaly

80.6559, 0.3173, 0.3199

Tritanomaly

80.9029, 0.3033, 0.3166

Monochromacy



Original Color

80.8279, 0.3075, 0.3259

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 80.8279, 0.3075, 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(228, 233, 236)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 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(228, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.8279, 0.3075, 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(228, 233, 236) }
```

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

```
.border{ border-color:rgb(228, 233, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8279, 0.3075, 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(228, 233, 236) }
```

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

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

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