

Converting Colors

Yxy(80.7044, 0.3066, 0.3235)

Have a look what the booklet for
Yxy(80.7044, 0.3066, 0.3235)
contains.

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Color

Yxy(80.9449, 0.3063, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E4E9EE
RGB	228, 233, 238
RGB Percent	89%, 91%, 93%
CMY	0.1058, 0.0863, 0.0667
CMYK	0.04, 0.02, 0.00, 0.07
HSL	210°, 23%, 91%
HSV	210°, 4%, 93%
XYZ	76.5702, 80.9449, 92.4692
YIQ	232.0750, -4.5850, 0.4950

Conversions

Conversions Part 2

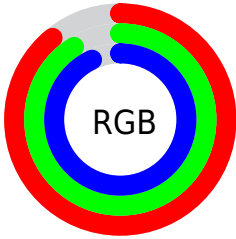
Format	Color
R _Y B	228, 231, 238
Decimal	15002094
CIE Lab	92.11, -0.74, -3.01
CIE LCh	92, 3.096, 256.188
Yxy	80.9449, 0.3063, 0.3238
Android (android.graphics.Color)	4293192174 (0xFFE4E9EE)
YUV	232.0750, 2.9210, -3.5738
Hunter-Lab	89.9694, -5.5306, 2.0412

Details

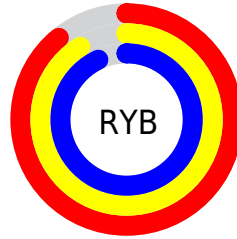
The Yxy color **80.9449, 0.3063, 0.3238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0637, 0.3193, 0.3341**, and the grayscale version is **80.7394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7059, 0.3053, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **70.7996, 0.2905, 0.3104**, and if you desaturate by 10%, it is **92.0884, 0.3214, 0.3358**.

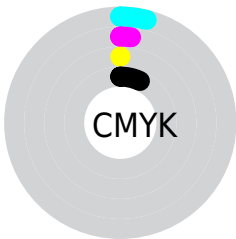
Distribution



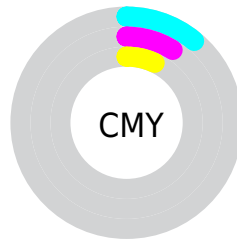
- Red (89%)
- Green (91%)
- Blue (93%)



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



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9449, 0.3063, 0.3238 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 80.9449, 0.3063, 0.3238 by changing the saturation by 10% instead.

■ 80.9449, 0.3063,
0.3238

■ 80.9449, 0.3063,
0.3238

498.1115, 0.3092,
0.3262

■ 60.4962, 0.3056,
0.3233

134.6934, 0.3073,
0.3246

■ 43.8187, 0.3048,
0.3226

168.7620, 0.3077,
0.3249

■ 30.5280, 0.3038,
0.3218

208.1394, 0.3080,
0.3252

■ 20.2397, 0.3025,
0.3207

253.2099, 0.3083,
0.3255

■ 12.5694, 0.3008,
0.3193

304.3580, 0.3086,
0.3257

■ 7.1327, 0.2983,
0.3173

361.9680, 0.3088,

■ 3.5452, 0.2946,

0.3259

0.3142

426.4244, 0.3090,
0.3260

■ 1.4226, 0.2882,
0.3089

■ 0.2333, 0.2260,
0.2589

■ 80.9449, 0.3063,
0.3238

■ 80.9449, 0.3063,
0.3238

■ 70.7996, 0.2905,
0.3104

■ 92.0884, 0.3214,
0.3358

■ 61.6116, 0.2742,
0.2954

■ 98.9525, 0.3226,
0.3454

■ 53.3517, 0.2578,
0.2790

■ 45.9856, 0.2415,
0.2613

■ 39.4762, 0.2258,
0.2425

■ 33.7832, 0.2114,
0.2229

■ 28.8623, 0.1987,
0.2032

■ 24.6632, 0.1882,
0.1837

■ 21.1265, 0.1801,
0.1652

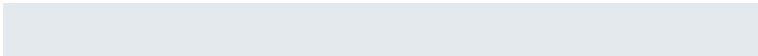
Harmonies

Analogous

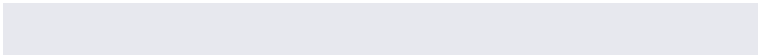
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9449, 0.3058, 0.3262



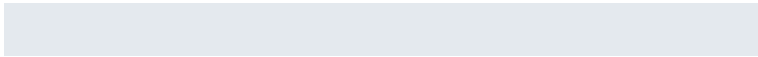
80.9449, 0.3063, 0.3238



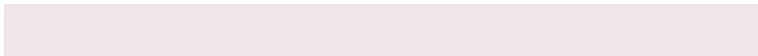
80.9449, 0.3086, 0.3228

Triad

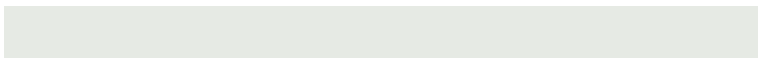
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9449, 0.3063, 0.3238



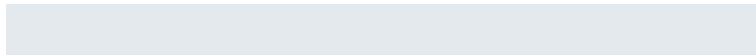
80.9449, 0.3184, 0.3287



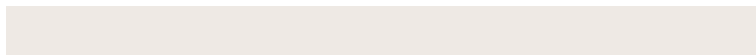
80.9449, 0.3135, 0.3346

Complementary

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



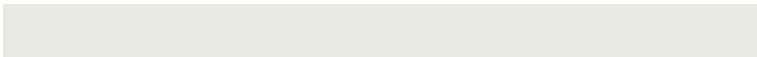
80.9449, 0.3063, 0.3238



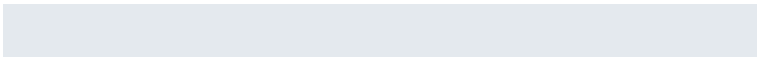
82.0637, 0.3193, 0.3341

Split Complementary

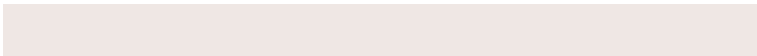
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9449, 0.3169, 0.3353



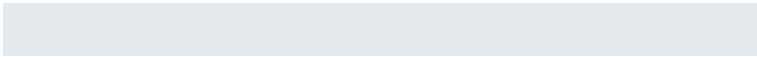
80.9449, 0.3063, 0.3238



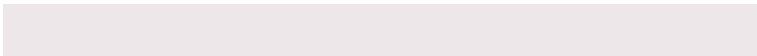
80.9449, 0.3197, 0.3318

Square

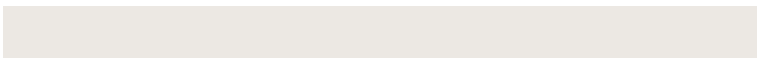
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



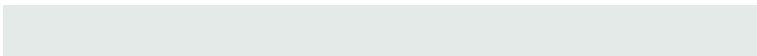
80.9449, 0.3063, 0.3238



80.9449, 0.3155, 0.3256



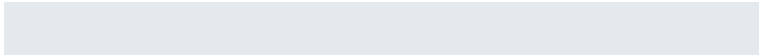
80.9449, 0.3192, 0.3342



80.9449, 0.3099, 0.3324

Rectangle

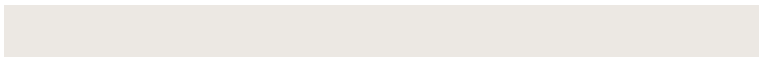
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



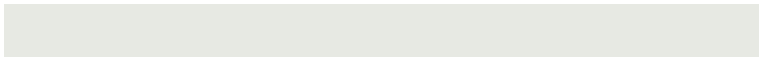
80.9449, 0.3063, 0.3238



80.9449, 0.3107, 0.3231



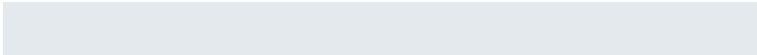
80.9449, 0.3192, 0.3342



80.9449, 0.3147, 0.3350

Sweetspot

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



80.9483, 0.3063, 0.3238



98.7077, 0.3112, 0.3278



83.5252, 0.3092, 0.3342



21.1412, 0.3113, 0.3278



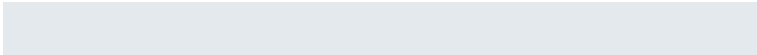
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.9483, 0.3063, 0.3238



93.6562, 0.3050, 0.3227



78.1695, 0.3064, 0.3186



17.3890, 0.3040, 0.3219



11.0432, 0.1771, 0.1576



1.1177, 0.1837, 0.1814

Inverse Universe

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



79.5581, 0.3164, 0.3239



91.7288, 0.3172, 0.3229



84.9223, 0.3189, 0.3392



16.9834, 0.3178, 0.3220



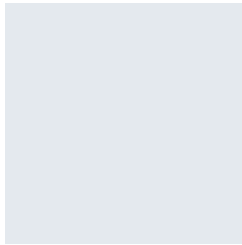
10.9082, 0.4961, 0.2507



0.9275, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 80.9449, 0.3063, 0.3238 looks on a white background.

Color Contrast Check

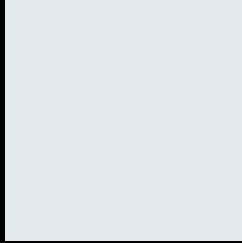
Large Text (above 18pt) WCAG AA × Fail

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 80.9449, 0.3063, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

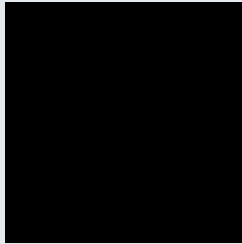
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

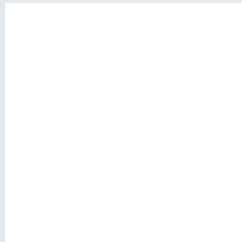
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9449, 0.3063, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 80.9449, 0.3063, 0.3238.



This preview shows how white text looks on a background with the Yxy color 80.9449, 0.3063, 0.3238.

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

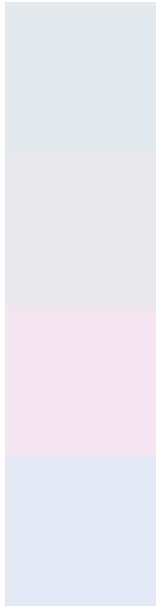




Tritanopia

80.8144, 0.3009, 0.3106

Trichromacy



Original Color

80.9449, 0.3063, 0.3238

Protanomaly

80.9835, 0.3096, 0.3238

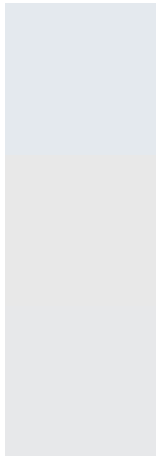
Deuteranomaly

80.7735, 0.3160, 0.3179

Tritanomaly

80.9638, 0.3027, 0.3156

Monochromacy



Original Color

80.9449, 0.3063, 0.3238

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.6427, 0.3108, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9449, 0.3063, 0.3238 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(228, 233, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 233, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.9449, 0.3063, 0.3238 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, 238) }
```

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

```
.border{ border-color:rgb(228, 233, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 233, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 233, 238);  
box-shadow:4px 4px 4px 4px rgb(228, 233,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9449, 0.3063, 0.3238 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, 238) }
```

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

```
.background{ background-color: rgb(228,  
233, 238) }
```

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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