

Converting Colors

$Y_{xy}(80.2173, 0.3067, 0.3197)$

Have a look what the booklet for
Yxy(80.2173, 0.3067, 0.3197)
contains.

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Color

Yxy(80.2661, 0.3064, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	E6E7F0
RGB	230, 231, 240
RGB Percent	90%, 91%, 94%
CMY	0.0982, 0.0940, 0.0588
CMYK	0.04, 0.04, 0.00, 0.06
HSL	234°, 25%, 92%
HSV	234°, 4%, 94%
XYZ	76.9269, 80.2661, 93.8739
YIQ	231.7270, -3.4850, 2.5870

Conversions

Conversions Part 2

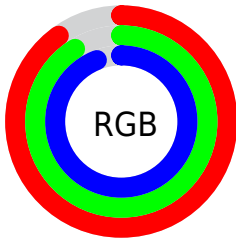
Format	Color
R _Y B	230, 231, 240
Decimal	15132656
CIE Lab	91.80, 1.29, -4.48
CIE LCh	92, 4.665, 286.035
Yxy	80.2661, 0.3064, 0.3197
Android (android.graphics.Color)	4293322736 (0xFFE6E7F0)
YUV	231.7270, 4.0786, -1.5146
Hunter-Lab	89.5914, -3.5172, 0.5898

Details

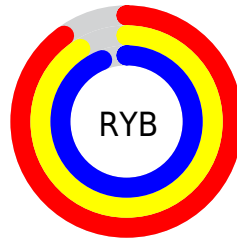
The Yxy color $80.2661, 0.3064, 0.3197$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $85.9339, 0.3190, 0.3381$, and the grayscale version is $80.4502, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.2346, 0.3054, 0.3170$ is the 20% darker color. If you saturate the color by 10%, you get $65.2775, 0.2900, 0.2953$, and if you desaturate by 10%, it is $97.2824, 0.3210, 0.3411$.

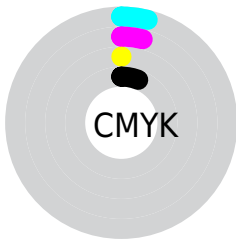
Distribution



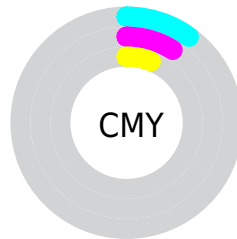
- Red (90%)
- Green (91%)
- Blue (94%)



- Red (90%)
- Yellow (91%)
- Blue (94%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2661, 0.3064, 0.3197 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 80.2661, 0.3064, 0.3197 by changing the saturation by 10% instead.

80.2661, 0.3064,
0.3197

80.2661, 0.3064,
0.3197

495.8292, 0.3093,
0.3239

59.9374, 0.3058,
0.3188

133.7398, 0.3074,
0.3212

43.3681, 0.3050,
0.3176

167.6535, 0.3078,
0.3217

30.1741, 0.3040,
0.3161

206.8644, 0.3081,
0.3222

19.9707, 0.3027,
0.3143

251.7567, 0.3084,
0.3226

12.3738, 0.3009,
0.3117

302.7150, 0.3087,
0.3230

6.9988, 0.2985,
0.3082

360.1236, 0.3089,

3.4613, 0.2947,

0.3234

0.3028

424.3668, 0.3091,
0.3237

■ 1.3771, 0.2882,
0.2937

■ 0.1997, 0.2325,
0.2098

■ 80.2661, 0.3064,
0.3197

■ 80.2661, 0.3064,
0.3197

■ 65.2775, 0.2900,
0.2953

■ 97.2824, 0.3210,
0.3411

■ 52.2310, 0.2719,
0.2679

■ 99.0712, 0.3214,
0.3434

■ 41.0500, 0.2523,
0.2377

■ 31.6489, 0.2318,
0.2055

■ 23.9355, 0.2113,
0.1725

■ 17.8091, 0.1920,
0.1405

■ 13.1582, 0.1753,
0.1118

■ 9.8567, 0.1626,
0.0885

■ 7.7567, 0.1545,
0.0722

Harmonies

Analogous

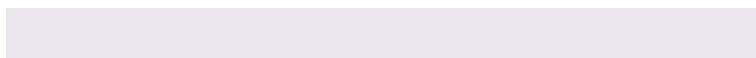
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2661, 0.3030, 0.3211



80.2661, 0.3064, 0.3197



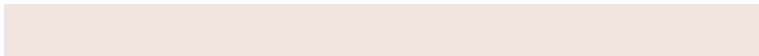
80.2661, 0.3115, 0.3207

Triad

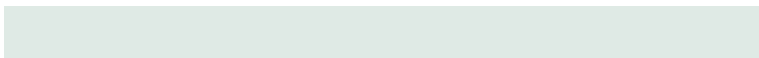
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2661, 0.3064, 0.3197



80.2661, 0.3233, 0.3332



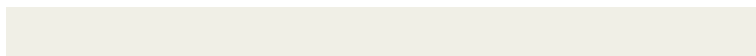
80.2661, 0.3085, 0.3342

Complementary

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



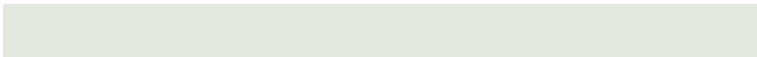
80.2661, 0.3064, 0.3197



85.9339, 0.3190, 0.3381

Split Complementary

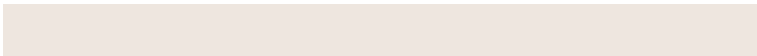
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2661, 0.3139, 0.3375



80.2661, 0.3064, 0.3197



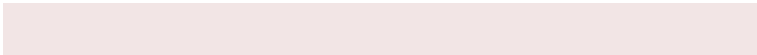
80.2661, 0.3225, 0.3369

Square

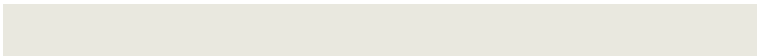
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2661, 0.3064, 0.3197



80.2661, 0.3213, 0.3285



80.2661, 0.3190, 0.3385



80.2661, 0.3042, 0.3295

Rectangle

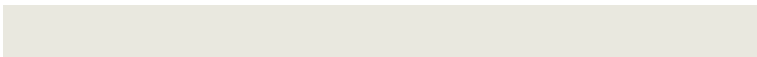
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



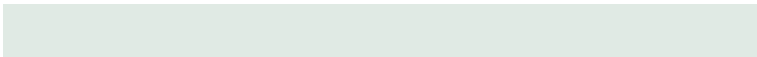
80.2661, 0.3064, 0.3197



80.2661, 0.3152, 0.3226



80.2661, 0.3190, 0.3385



80.2661, 0.3102, 0.3355

Sweetspot

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



80.2695, 0.3064, 0.3197



98.0727, 0.3112, 0.3268



85.3573, 0.3069, 0.3302



21.0119, 0.3113, 0.3269



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.



80.2695, 0.3064, 0.3197



90.5987, 0.3051, 0.3178



80.3226, 0.3090, 0.3187



16.7441, 0.3041, 0.3162



3.9216, 0.1521, 0.0674



0.4149, 0.1564, 0.0832

Inverse Universe

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



80.8669, 0.3189, 0.3279



91.4202, 0.3202, 0.3277



85.8887, 0.3163, 0.3393



16.9183, 0.3213, 0.3275



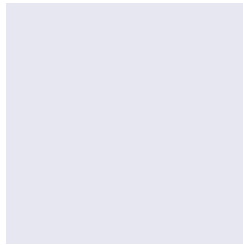
10.1892, 0.6276, 0.3231



0.8566, 0.6019, 0.3089

Previews

White Background



This preview shows how the Yxy color 80.2661, 0.3064, 0.3197 looks on a white background.

Color Contrast Check

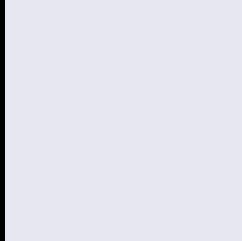
Large Text (above 18pt) WCAG AA × Fail

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 80.2661, 0.3064, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

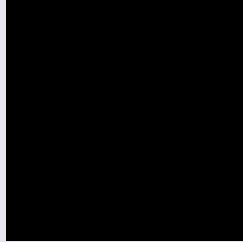
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

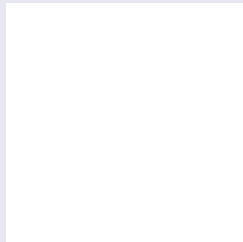
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2661, 0.3064, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 80.2661, 0.3064, 0.3197.

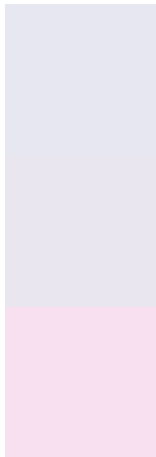


This preview shows how white text looks on a background with the Yxy color 80.2661, 0.3064, 0.3197.

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

80.2661, 0.3064, 0.3197

Protanopia

80.1493, 0.3091, 0.3197

Deuteranopia

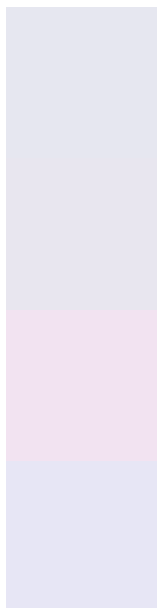
79.8019, 0.3191, 0.3121



Tritanopia

80.3599, 0.3022, 0.3106

Trichromacy



Original Color

80.2661, 0.3064, 0.3197

Protanomaly

79.9814, 0.3084, 0.3197

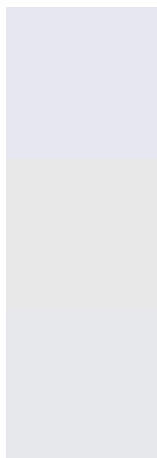
Deuteranomaly

80.1663, 0.3141, 0.3149

Tritanomaly

80.1751, 0.3040, 0.3136

Monochromacy



Original Color

80.2661, 0.3064, 0.3197

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7003, 0.3102, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2661, 0.3064, 0.3197 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(230, 231, 240)` looks like.

```
.text, #text, p{  
    color:rgb(230, 231, 240)  
}
```

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(230, 231, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 231, 240) }
```

Border

The CSS property to change the border of an element to Yxy 80.2661, 0.3064, 0.3197 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(230, 231, 240) }
```

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

```
.border{ border-color:rgb(230, 231, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 231, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 231, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 231, 240);  
box-shadow:4px 4px 4px 4px rgb(230, 231,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2661, 0.3064, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 231, 240) }
```

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

```
.background{ background-color: rgb(230,  
231, 240) }
```

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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