

Converting Colors

Yxy(80.8493, 0.3126, 0.3203)

Have a look what the booklet for
Yxy(80.8493, 0.3126, 0.3203)
contains.

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Color

Yxy(80.9438, 0.3131, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	EEE6EE
RGB	238, 230, 238
RGB Percent	93%, 90%, 93%
CMY	0.0665, 0.0981, 0.0665
CMYK	0.00, 0.03, 0.00, 0.07
HSL	300°, 19%, 92%
HSV	300°, 3%, 93%
XYZ	79.0009, 80.9438, 92.3738
YIQ	233.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

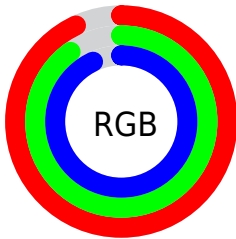
Format	Color
R _{YB}	238, 230, 238
Decimal	15656686
CIE Lab	92.11, 4.13, -2.94
CIE LCh	92, 5.075, 324.566
Yxy	80.9438, 0.3131, 0.3208
Android (android.graphics.Color)	4293846766 (0xFFEEE6EE)
YUV	233.3040, 2.3151, 4.1184
Hunter-Lab	89.9688, -0.7058, 2.1032

Details

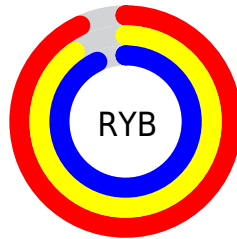
The Yxy color $80.9438, 0.3131, 0.3208$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $83.7035, 0.3123, 0.3373$, and the grayscale version is $81.7137, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.9824, 0.3131, 0.3198$ is the 20% darker color. If you saturate the color by 10%, you get $68.5910, 0.3143, 0.2960$, and if you desaturate by 10%, it is $95.1125, 0.3120, 0.3447$.

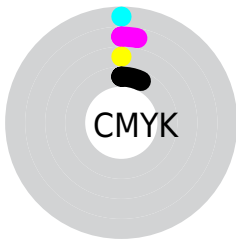
Distribution



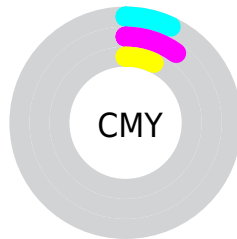
- Red (93%)
- Green (90%)
- Blue (93%)



- Red (93%)
- Yellow (90%)
- Blue (93%)



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





- Cyan (7%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9438, 0.3131, 0.3208 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 80.9438, 0.3131, 0.3208 by changing the saturation by 10% instead.


 80.9438, 0.3131,
0.3208

 80.9438, 0.3131,
0.3208


498.1078, 0.3129,
0.3245

 60.4953, 0.3131,
0.3200


134.6919, 0.3130,
0.3221

 43.8180, 0.3132,
0.3190


168.7602, 0.3130,
0.3226

 30.5274, 0.3132,
0.3177


208.1373, 0.3130,
0.3230

 20.2393, 0.3133,
0.3161

253.2076, 0.3130,
0.3234

 12.5691, 0.3134,
0.3139

304.3553, 0.3130,
0.3237

 7.1325, 0.3134,
0.3108

361.9650, 0.3130,

 3.5451, 0.3136,

0.3240

0.3062

426.4211, 0.3130,
0.3243

■ 1.4225, 0.3137,
0.2985

■ 0.2332, 0.3177,
0.2297

■ 80.9438, 0.3131,
0.3208

■ 80.9438, 0.3131,
0.3208

■ 68.5910, 0.3143,
0.2960

■ 95.1125, 0.3120,
0.3447

■ 57.9708, 0.3154,
0.2709

■ 95.8790, 0.3119,
0.3459

■ 49.0090, 0.3166,
0.2462

■ 95.8796, 0.3119,
0.3459

■ 41.6219, 0.3177,
0.2228

■ 95.8801, 0.3119,
0.3459

35.7186, 0.3187,
0.2019

95.8807, 0.3119,
0.3459

31.1988, 0.3195,
0.1842

95.8813, 0.3119,
0.3459

27.9499, 0.3201,
0.1704

95.8818, 0.3119,
0.3459

25.8418, 0.3206,
0.1610

95.8824, 0.3119,
0.3459

24.7164, 0.3208,
0.1558

95.8829, 0.3119,
0.3459

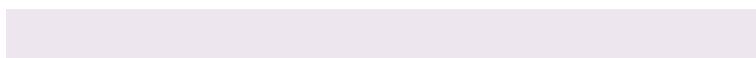
Harmonies

Analogous

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



80.9438, 0.3073, 0.3190



80.9438, 0.3131, 0.3208



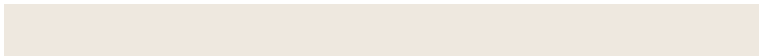
80.9438, 0.3188, 0.3248

Triad

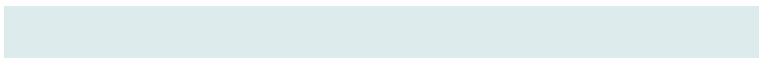
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9438, 0.3131, 0.3208



80.9438, 0.3225, 0.3383



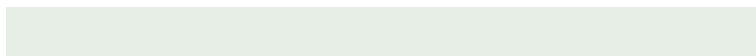
80.9438, 0.3026, 0.3280

Complementary

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



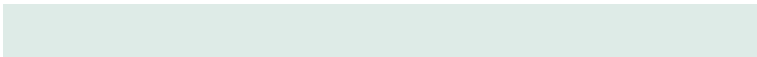
80.9438, 0.3131, 0.3208



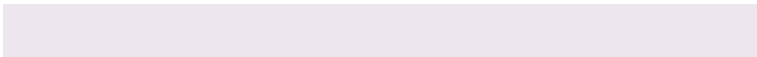
83.7035, 0.3123, 0.3373

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.



80.9438, 0.3066, 0.3333



80.9438, 0.3131, 0.3208



80.9438, 0.3181, 0.3393

Square

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



80.9438, 0.3131, 0.3208



80.9438, 0.3243, 0.3348



80.9438, 0.3123, 0.3374



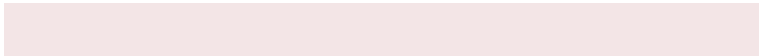
80.9438, 0.3013, 0.3231

Rectangle

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



80.9438, 0.3131, 0.3208



80.9438, 0.3219, 0.3281



80.9438, 0.3123, 0.3374



80.9438, 0.3037, 0.3298

Sweetspot

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



80.9473, 0.3131, 0.3208



98.3837, 0.3128, 0.3266



79.6608, 0.3077, 0.3208



21.0752, 0.3128, 0.3267



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.



80.9473, 0.3131, 0.3208



93.6636, 0.3132, 0.3192



80.7214, 0.3156, 0.3248



17.3372, 0.3133, 0.3175



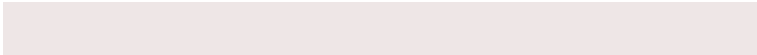
13.5819, 0.3209, 0.1541



1.1299, 0.3209, 0.1541

Inverse Universe

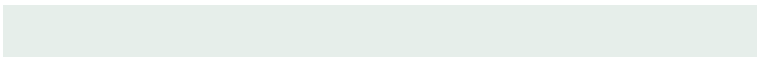
The Inverse Universe completely reimagines the original color for something new.



80.4852, 0.3182, 0.3290



93.0243, 0.3193, 0.3290



83.9242, 0.3100, 0.3333



17.1965, 0.3206, 0.3290



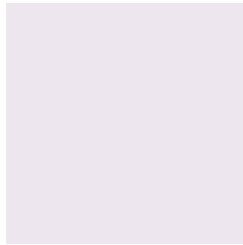
10.1411, 0.6401, 0.3300



0.8437, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 80.9438, 0.3131, 0.3208 looks on a white background.

Color Contrast Check

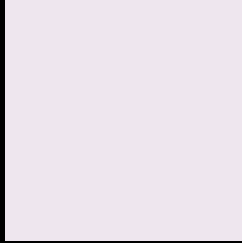
Large Text (above 18pt) WCAG AA × Fail

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 80.9438, 0.3131, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

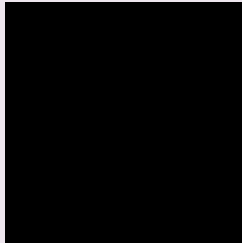
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

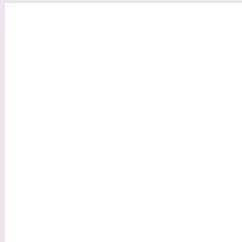
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9438, 0.3131, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 80.9438, 0.3131, 0.3208.

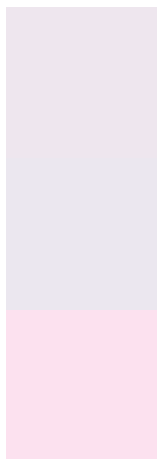


This preview shows how white text looks on a background with the Yxy color 80.9438, 0.3131, 0.3208.

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

80.9438, 0.3131, 0.3208

Protanopia

81.0460, 0.3104, 0.3208

Deuteranopia

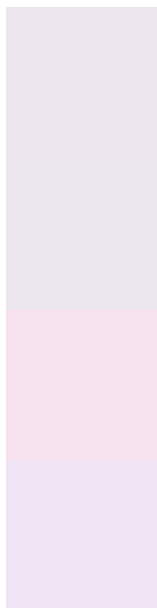
80.7779, 0.3224, 0.3151



Tritanopia

81.1047, 0.3082, 0.3108

Trichromacy



Original Color

80.9438, 0.3131, 0.3208

Protanomaly

81.2167, 0.3111, 0.3208

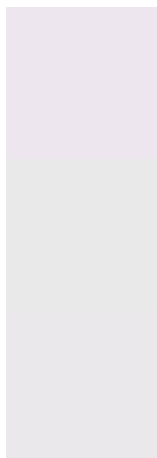
Deuteranomaly

80.9443, 0.3188, 0.3170

Tritanomaly

80.9210, 0.3100, 0.3138

Monochromacy



Original Color

80.9438, 0.3131, 0.3208

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3736, 0.3129, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9438, 0.3131, 0.3208 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(238, 230, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 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(238, 230, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.9438, 0.3131, 0.3208 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(238, 230, 238) }
```

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

```
.border{ border-color:rgb(238, 230, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9438, 0.3131, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 238) }
```

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

```
.background{ background-color: rgb(238,  
230, 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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