

Converting Colors

$Yxy(80.6357, 0.3169, 0.3206)$

Have a look what the booklet for
Yxy(80.6357, 0.3169, 0.3206)
contains.

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Color

Yxy(80.4785, 0.3166, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	F2E4ED
RGB	242, 228, 237
RGB Percent	95%, 89%, 93%
CMY	0.0509, 0.1059, 0.0706
CMYK	0.00, 0.06, 0.02, 0.05
HSL	322°, 35%, 92%
HSV	322°, 6%, 95%
XYZ	79.6483, 80.4785, 91.4471
YIQ	233.2120, 5.4550, 5.7670

Conversions

Conversions Part 2

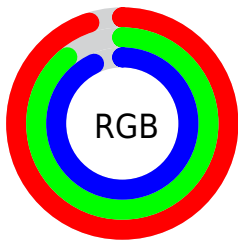
Format	Color
R_{YB}	242, 228, 237
Decimal	15918317
CIE Lab	91.90, 6.31, -2.66
CIE LCh	92, 6.850, 337.106
Yxy	80.4785, 0.3166, 0.3199
Android (android.graphics.Color)	4294108397 (0xFFFF2E4ED)
YUV	233.2120, 1.8675, 7.7071
Hunter-Lab	89.7098, 1.4880, 2.3587

Details

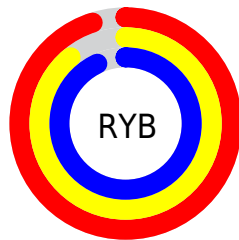
The Yxy color **80.4785, 0.3166, 0.3199** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.8899, 0.3090, 0.3383**, and the grayscale version is **81.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6624, 0.3177, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **67.5901, 0.3243, 0.3035**, and if you desaturate by 10%, it is **95.2622, 0.3101, 0.3354**.

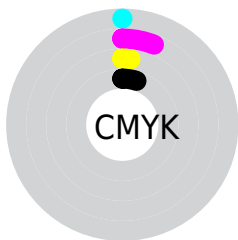
Distribution



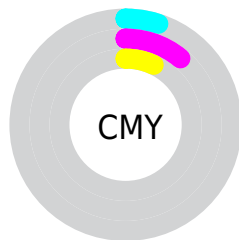
- Red (95%)
- Green (89%)
- Blue (93%)



- Red (95%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4785, 0.3166, 0.3199 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 80.4785, 0.3166, 0.3199 by changing the saturation by 10% instead.


 80.4785, 0.3166,
0.3199

 80.4785, 0.3166,
0.3199


496.5439, 0.3149,
0.3240

 60.1122, 0.3170,
0.3190


134.0383, 0.3160,
0.3213

 43.5091, 0.3175,
0.3179


168.0005, 0.3158,
0.3219

 30.2847, 0.3181,
0.3165


207.2635, 0.3156,
0.3223

 20.0548, 0.3188,
0.3146

252.2117, 0.3154,
0.3228

 12.4349, 0.3198,
0.3122

303.2294, 0.3152,
0.3231

 7.0406, 0.3213,
0.3088

360.7011, 0.3151,

 3.4875, 0.3234,

0.3235

425.0112, 0.3150,
0.3238

0.3037

1.3912, 0.3271,
0.2952

0.2102, 0.3613,
0.2147

80.4785, 0.3166,
0.3199

80.4785, 0.3166,
0.3199

67.5901, 0.3243,
0.3035

95.2622, 0.3101,
0.3354

56.5092, 0.3334,
0.2866

97.5769, 0.3051,
0.3296

47.1566, 0.3441,
0.2697

97.6191, 0.3048,
0.3290

39.4431, 0.3563,
0.2534

■ 33.2716, 0.3701,
0.2388

■ 28.5345, 0.3851,
0.2268

■ 25.1103, 0.4011,
0.2188

■ 22.8573, 0.4173,
0.2156

■ 21.6001, 0.4331,
0.2177

Harmonies

Analogous

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



80.4785, 0.3085, 0.3161



80.4785, 0.3166, 0.3199



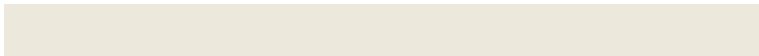
80.4785, 0.3237, 0.3261

Triad

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



80.4785, 0.3166, 0.3199



80.4785, 0.3238, 0.3426



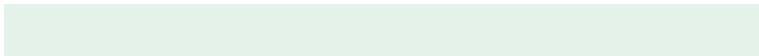
80.4785, 0.2978, 0.3246

Complementary

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



80.4785, 0.3166, 0.3199



85.8899, 0.3090, 0.3383

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.



80.4785, 0.3018, 0.3319



80.4785, 0.3166, 0.3199



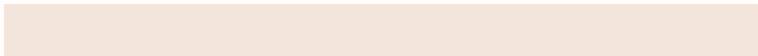
80.4785, 0.3168, 0.3423

Square

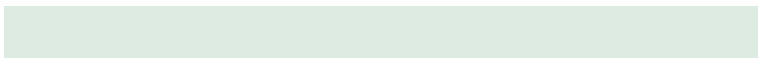
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4785, 0.3166, 0.3199



80.4785, 0.3279, 0.3391



80.4785, 0.3087, 0.3384



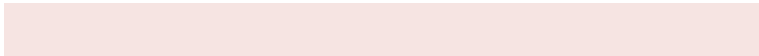
80.4785, 0.2977, 0.3187

Rectangle

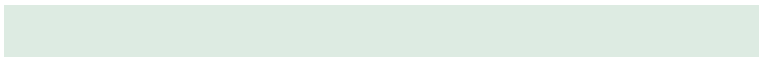
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4785, 0.3166, 0.3199



80.4785, 0.3269, 0.3308



80.4785, 0.3087, 0.3384



80.4785, 0.2987, 0.3270

Sweetspot

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



80.4820, 0.3166, 0.3199



96.6719, 0.3140, 0.3259



79.2084, 0.3072, 0.3146



20.7266, 0.3140, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

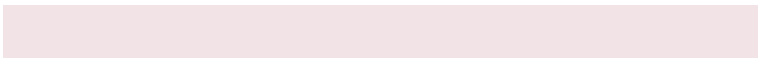
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4820, 0.3166, 0.3199



88.7299, 0.3175, 0.3179



80.0873, 0.3211, 0.3269



16.4614, 0.3179, 0.3170



11.4437, 0.4372, 0.2182



0.9709, 0.4178, 0.2076

Inverse Universe

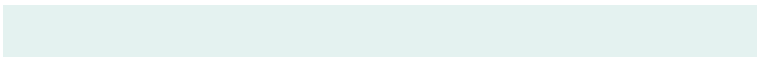
The Inverse Universe completely reimagines the original color for something new.



80.4820, 0.3166, 0.3199



88.7299, 0.3175, 0.3179



86.2912, 0.3049, 0.3311



16.4614, 0.3179, 0.3170



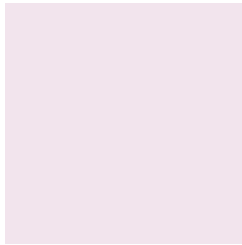
11.4437, 0.4372, 0.2182



0.9709, 0.4178, 0.2076

Previews

White Background



This preview shows how the Yxy color 80.4785, 0.3166, 0.3199 looks on a white background.

Color Contrast Check

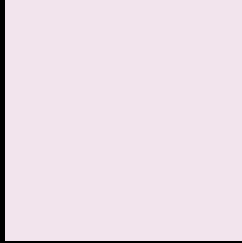
Large Text (above 18pt) WCAG AA × Fail

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 80.4785, 0.3166, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

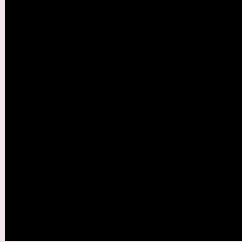
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

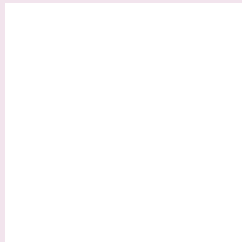
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4785, 0.3166, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 80.4785, 0.3166, 0.3199.

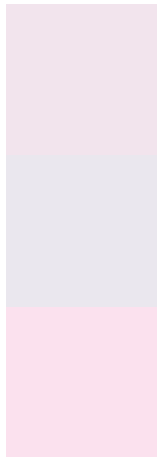


This preview shows how white text looks on a background with the Yxy color 80.4785, 0.3166, 0.3199.

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

80.4785, 0.3166, 0.3199

Protanopia

80.8173, 0.3103, 0.3218

Deuteranopia

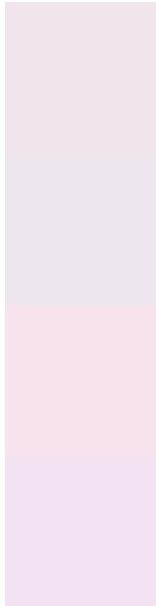
80.5327, 0.3224, 0.3161



Tritanopia

80.5854, 0.3122, 0.3109

Trichromacy



Original Color

80.4785, 0.3166, 0.3199

Protanomaly

80.7712, 0.3124, 0.3208

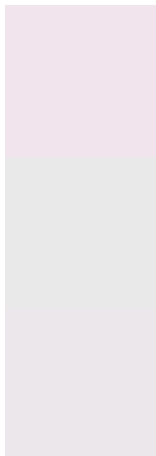
Deuteranomaly

80.5222, 0.3202, 0.3170

Tritanomaly

80.4037, 0.3141, 0.3139

Monochromacy



Original Color

80.4785, 0.3166, 0.3199

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.9252, 0.3142, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4785, 0.3166, 0.3199 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(242, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 237)  
}
```

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(242, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.4785, 0.3166, 0.3199 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(242, 228, 237) }
```

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

```
.border{ border-color:rgb(242, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4785, 0.3166, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 237) }
```

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

```
.background{ background-color: rgb(242,  
228, 237) }
```

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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