

Converting Colors

Yxy(80.7154, 0.3063, 0.3162)

Have a look what the booklet for
Yxy(80.7154, 0.3063, 0.3162)
contains.

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Color

Yxy(80.9465, 0.3066, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	E9E7F3
RGB	233, 231, 243
RGB Percent	91%, 91%, 95%
CMY	0.0861, 0.0941, 0.0471
CMYK	0.04, 0.05, 0.00, 0.05
HSL	250°, 33%, 93%
HSV	250°, 5%, 95%
XYZ	78.3650, 80.9465, 96.2821
YIQ	232.9660, -2.6600, 4.1560

Conversions

Conversions Part 2

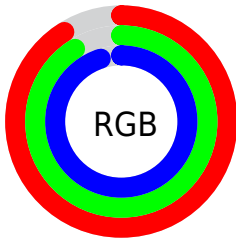
Format	Color
R _Y B	233, 231, 243
Decimal	15329267
CIE Lab	92.11, 2.86, -5.57
CIE LCh	92, 6.267, 297.204
Yxy	80.9465, 0.3066, 0.3167
Android (android.graphics.Color)	4293519347 (0xFFE9E7F3)
YUV	232.9660, 4.9468, 0.0298
Hunter-Lab	89.9703, -1.9727, -0.4703

Details

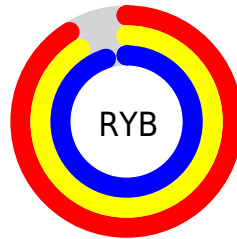
The Yxy color **80.9465, 0.3066, 0.3167** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5599, 0.3187, 0.3411**, and the grayscale version is **81.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5949, 0.3048, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **65.0755, 0.2928, 0.2895**, and if you desaturate by 10%, it is **98.9119, 0.3186, 0.3406**.

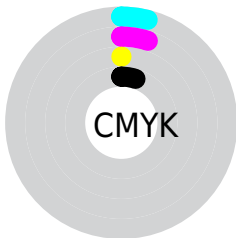
Distribution



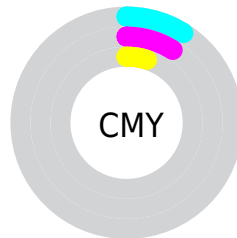
- Red (91%)
- Green (91%)
- Blue (95%)



- Red (91%)
- Yellow (91%)
- Blue (95%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9465, 0.3066, 0.3167 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 80.9465, 0.3066, 0.3167 by changing the saturation by 10% instead.

80.9465, 0.3066,
0.3167

80.9465, 0.3066,
0.3167

498.1169, 0.3094,
0.3223

60.4975, 0.3060,
0.3155

134.6956, 0.3076,
0.3186

43.8198, 0.3052,
0.3139

168.7646, 0.3079,
0.3194

30.5289, 0.3042,
0.3120

208.1424, 0.3083,
0.3200

20.2404, 0.3030,
0.3096

253.2133, 0.3085,
0.3206

12.5699, 0.3013,
0.3063

304.3619, 0.3088,
0.3211

7.1330, 0.2989,
0.3018

361.9724, 0.3090,

3.5454, 0.2952,

0.3215

0.2949

426.4293, 0.3092,
0.3219

■ 1.4227, 0.2889,
0.2834

■ 0.2334, 0.2496,
0.1996

■ 80.9465, 0.3066,
0.3167

■ 80.9465, 0.3066,
0.3167

■ 65.0755, 0.2928,
0.2895

■ 98.9119, 0.3186,
0.3406

■ 51.3870, 0.2771,
0.2594

■ 99.2507, 0.3197,
0.3405

■ 39.7880, 0.2597,
0.2268

■ 30.1749, 0.2408,
0.1928

■ 22.4352, 0.2213,
0.1589

■ 16.4449, 0.2023,
0.1273

■ 12.0649, 0.1849,
0.1003

■ 9.1344, 0.1706,
0.0800

■ 7.4580, 0.1603,
0.0675

Harmonies

Analogous

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



80.9465, 0.3011, 0.3174



80.9465, 0.3066, 0.3167



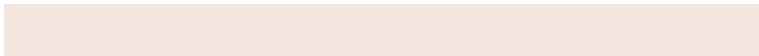
80.9465, 0.3138, 0.3192

Triad

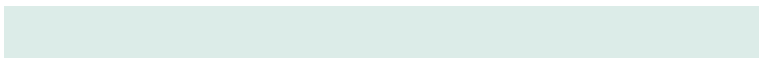
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9465, 0.3066, 0.3167



80.9465, 0.3270, 0.3366



80.9465, 0.3046, 0.3338

Complementary

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



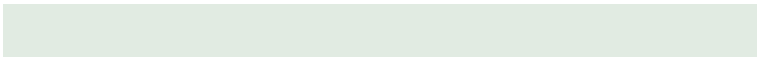
80.9465, 0.3066, 0.3167



88.5599, 0.3187, 0.3411

Split Complementary

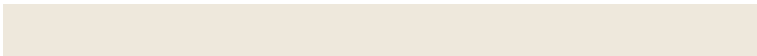
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9465, 0.3115, 0.3391



80.9465, 0.3066, 0.3167



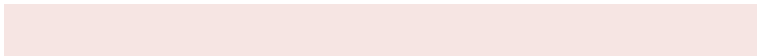
80.9465, 0.3245, 0.3407

Square

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



80.9465, 0.3066, 0.3167



80.9465, 0.3257, 0.3306



80.9465, 0.3188, 0.3416



80.9465, 0.2999, 0.3272

Rectangle

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



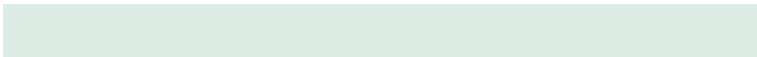
80.9465, 0.3066, 0.3167



80.9465, 0.3187, 0.3224



80.9465, 0.3188, 0.3416



80.9465, 0.3067, 0.3358

Sweetspot

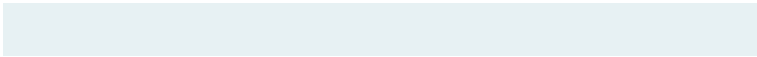
The Sweet Spot groups the original color and five complimentary colors.



80.9500, 0.3066, 0.3167



97.9845, 0.3115, 0.3266



86.3663, 0.3051, 0.3269



20.9940, 0.3116, 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.



80.9500, 0.3066, 0.3167



88.2941, 0.3052, 0.3139



81.9702, 0.3106, 0.3169



17.0762, 0.3044, 0.3123



3.8528, 0.1575, 0.0641



0.3765, 0.1677, 0.0698

Inverse Universe

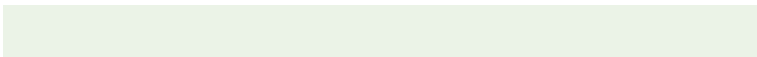
The Inverse Universe completely reimagines the original color for something new.



82.5515, 0.3146, 0.3190



90.4573, 0.3150, 0.3168



87.5284, 0.3147, 0.3412



17.5427, 0.3152, 0.3155



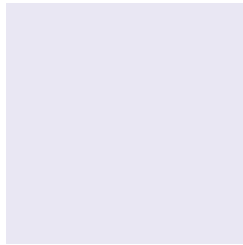
12.8083, 0.3692, 0.1808



1.1382, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 80.9465, 0.3066, 0.3167 looks on a white background.

Color Contrast Check

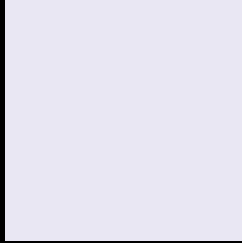
Large Text (above 18pt) WCAG AA × Fail

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 80.9465, 0.3066, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

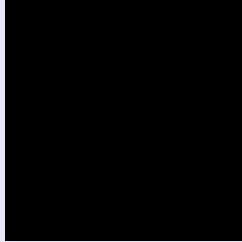
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

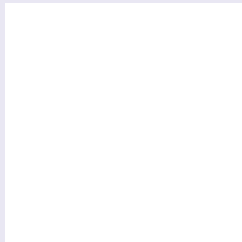
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9465, 0.3066, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 80.9465, 0.3066, 0.3167.

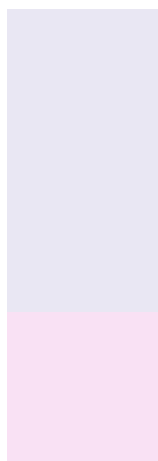


This preview shows how white text looks on a background with the Yxy color 80.9465, 0.3066, 0.3167.

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

80.9465, 0.3066, 0.3167

Protanopia

80.9465, 0.3066, 0.3167

Deuteranopia

80.5218, 0.3171, 0.3101



Tritanopia

80.8634, 0.3042, 0.3107

Trichromacy



Original Color

80.9465, 0.3066, 0.3167

Protanomaly

80.9465, 0.3066, 0.3167

Deuteranomaly

80.5245, 0.3128, 0.3119

Tritanomaly

80.7399, 0.3054, 0.3127

Monochromacy



Original Color

80.9465, 0.3066, 0.3167

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.1513, 0.3103, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9465, 0.3066, 0.3167 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(233, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 243)  
}
```

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(233, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.9465, 0.3066, 0.3167 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(233, 231, 243) }
```

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

```
.border{ border-color:rgb(233, 231, 243) }
```

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

Here you see how a box with a 4 pixel rgb(233, 231, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9465, 0.3066, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 243) }
```

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

```
.background{ background-color: rgb(233,  
231, 243) }
```

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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