

Converting Colors

$Yxy(81.7363, 0.3080, 0.3186)$

Have a look what the booklet for
Yxy(81.7363, 0.3080, 0.3186)
contains.

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Color

Yxy(81.6165, 0.3078, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	EAE8F2
RGB	234, 232, 242
RGB Percent	92%, 91%, 95%
CMY	0.0826, 0.0901, 0.0510
CMYK	0.03, 0.04, 0.00, 0.05
HSL	252°, 28%, 93%
HSV	252°, 4%, 95%
XYZ	78.8004, 81.6165, 95.5947
YIQ	233.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

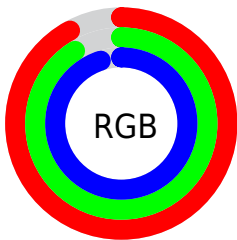
Format	Color
R _{YB}	234, 232, 242
Decimal	15395058
CIE Lab	92.41, 2.45, -4.60
CIE LCh	92, 5.214, 298.020
Yxy	81.6165, 0.3078, 0.3188
Android (android.graphics.Color)	4293585138 (0xFFEAE8F2)
YUV	233.7380, 4.0732, 0.2298
Hunter-Lab	90.3419, -2.4022, 0.5019

Details

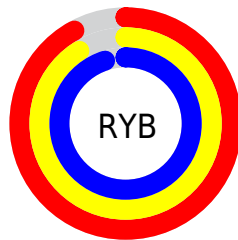
The Yxy color **81.6165, 0.3078, 0.3188** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8619, 0.3175, 0.3391**, and the grayscale version is **82.0372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0608, 0.3064, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **65.7955, 0.2946, 0.2919**, and if you desaturate by 10%, it is **98.9022, 0.3193, 0.3415**.

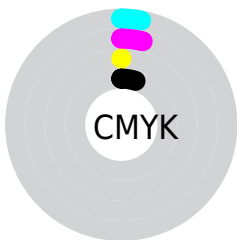
Distribution



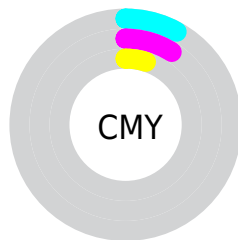
- Red (92%)
- Green (91%)
- Blue (95%)



- Red (92%)
- Yellow (91%)
- Blue (95%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





- Cyan (8%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6165, 0.3078, 0.3188 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 81.6165, 0.3078, 0.3188 by changing the saturation by 10% instead.


 81.6165, 0.3078,
0.3188

 81.6165, 0.3078,
0.3188


500.3640, 0.3100,
0.3234

 61.0495, 0.3073,
0.3178

135.6361, 0.3086,
0.3204

 44.2651, 0.3067,
0.3165


169.8574, 0.3089,
0.3210

 30.8790, 0.3059,
0.3149


209.3990, 0.3091,
0.3215

 20.5067, 0.3049,
0.3129

254.6452, 0.3094,
0.3220

 12.7639, 0.3035,
0.3102

305.9804, 0.3096,
0.3224

 7.2662, 0.3016,
0.3064

363.7890, 0.3097,

 3.6291, 0.2987,

0.3228

0.3007

428.4554, 0.3099,
0.3231

■ 1.4683, 0.2937,
0.2912

■ 0.2663, 0.2627,
0.2236

■ 81.6165, 0.3078,
0.3188

■ 81.6165, 0.3078,
0.3188

■ 65.7955, 0.2946,
0.2919

■ 98.9022, 0.3193,
0.3415

■ 52.1231, 0.2795,
0.2622

■ 99.1901, 0.3203,
0.3415

■ 40.5091, 0.2626,
0.2300

■ 30.8528, 0.2443,
0.1963

■ 23.0449, 0.2252,
0.1626

■ 16.9652, 0.2063,
0.1310

■ 12.4792, 0.1888,
0.1036

■ 9.4318, 0.1741,
0.0827

■ 7.6356, 0.1630,
0.0694

Harmonies

Analogous

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



81.6165, 0.3031, 0.3193



81.6165, 0.3078, 0.3188



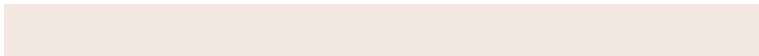
81.6165, 0.3138, 0.3210

Triad

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



81.6165, 0.3078, 0.3188



81.6165, 0.3246, 0.3355



81.6165, 0.3059, 0.3328

Complementary

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



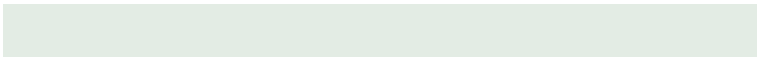
81.6165, 0.3078, 0.3188



87.8619, 0.3175, 0.3391

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.



81.6165, 0.3115, 0.3373



81.6165, 0.3078, 0.3188



81.6165, 0.3224, 0.3388

Square

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



81.6165, 0.3078, 0.3188



81.6165, 0.3235, 0.3305



81.6165, 0.3176, 0.3394



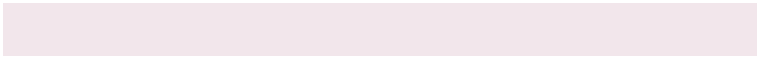
81.6165, 0.3020, 0.3273

Rectangle

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



81.6165, 0.3078, 0.3188



81.6165, 0.3178, 0.3236



81.6165, 0.3176, 0.3394



81.6165, 0.3076, 0.3345

Sweetspot

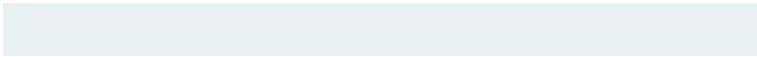
The Sweet Spot groups the original color and five complimentary colors.



81.6200, 0.3078, 0.3188



97.9956, 0.3115, 0.3266



85.9854, 0.3063, 0.3271



20.9962, 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.



81.6200, 0.3078, 0.3188



90.2336, 0.3067, 0.3165



82.4583, 0.3111, 0.3189



16.6673, 0.3059, 0.3148



3.8088, 0.1593, 0.0651



0.3565, 0.1709, 0.0715

Inverse Universe

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



82.8969, 0.3144, 0.3209



91.9757, 0.3148, 0.3191



87.0179, 0.3143, 0.3392



17.0357, 0.3151, 0.3178



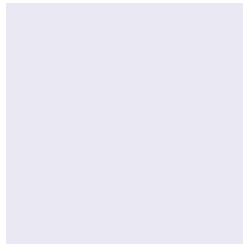
12.2845, 0.3767, 0.1849



1.0352, 0.3679, 0.1801

Previews

White Background



This preview shows how the Yxy color 81.6165, 0.3078, 0.3188 looks on a white background.

Color Contrast Check

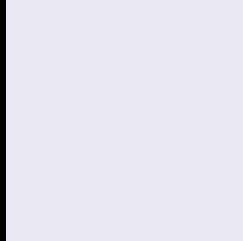
Large Text (above 18pt) WCAG AA × Fail

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 81.6165, 0.3078, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

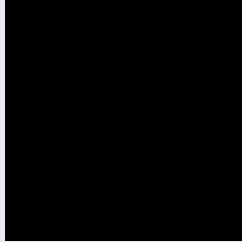
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

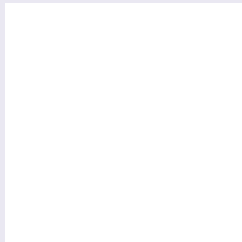
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6165, 0.3078, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 81.6165, 0.3078, 0.3188.

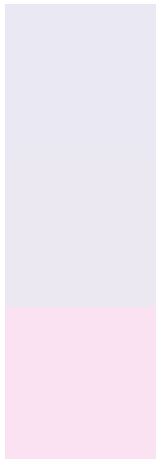


This preview shows how white text looks on a background with the Yxy color 81.6165, 0.3078, 0.3188.

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

81.6165, 0.3078, 0.3188

Protanopia

81.7862, 0.3085, 0.3188

Deuteranopia

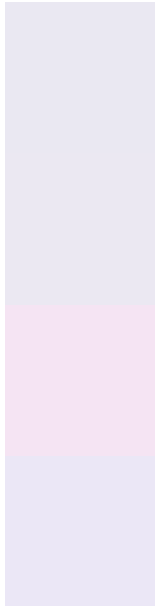
81.3730, 0.3190, 0.3122



Tritanopia

81.6535, 0.3042, 0.3108

Trichromacy



Original Color

81.6165, 0.3078, 0.3188

Protanomaly

81.7862, 0.3085, 0.3188

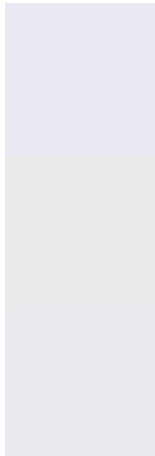
Deuteranomaly

81.3703, 0.3148, 0.3140

Tritanomaly

81.4678, 0.3061, 0.3137

Monochromacy



Original Color

81.6165, 0.3078, 0.3188

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.8847, 0.3109, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6165, 0.3078, 0.3188 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(234, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(234, 232, 242)  
}
```

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(234, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.6165, 0.3078, 0.3188 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(234, 232, 242) }
```

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

```
.border{ border-color:rgb(234, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(234, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6165, 0.3078, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 232, 242) }
```

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

```
.background{ background-color: rgb(234,  
232, 242) }
```

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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