

Converting Colors

$Yxy(82.4121, 0.3072, 0.3166)$

Have a look what the booklet for
Yxy(82.4121, 0.3072, 0.3166)
contains.

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Color

Yxy(82.7033, 0.3073, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	ECE9F5
RGB	236, 233, 245
RGB Percent	93%, 91%, 96%
CMY	0.0744, 0.0863, 0.0392
CMYK	0.04, 0.05, 0.00, 0.04
HSL	255°, 38%, 94%
HSV	255°, 5%, 96%
XYZ	80.2232, 82.7033, 98.1319
YIQ	235.2650, -2.0640, 4.3680

Conversions

Conversions Part 2

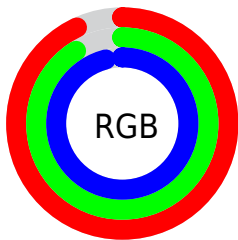
Format	Color
R _{YB}	236, 233, 245
Decimal	15526389
CIE Lab	92.88, 3.19, -5.46
CIE LCh	93, 6.323, 300.351
Yxy	82.7033, 0.3073, 0.3168
Android (android.graphics.Color)	4293716469 (0xFFECE9F5)
YUV	235.2650, 4.7994, 0.6446
Hunter-Lab	90.9414, -1.6849, -0.3190

Details

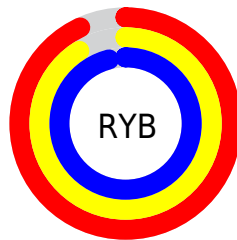
The Yxy color **82.7033, 0.3073, 0.3168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0682, 0.3180, 0.3411**, and the grayscale version is **83.2606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8217, 0.3057, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **66.8115, 0.2950, 0.2898**, and if you desaturate by 10%, it is **99.2470, 0.3181, 0.3386**.

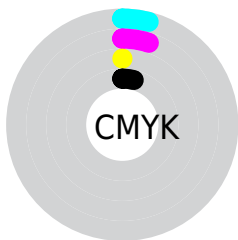
Distribution



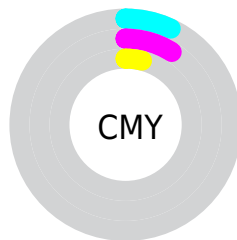
- Red (93%)
- Green (91%)
- Blue (96%)



- Red (93%)
- Yellow (91%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7033, 0.3073, 0.3168 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 82.7033, 0.3073, 0.3168 by changing the saturation by 10% instead.

82.7033, 0.3073,
0.3168

82.7033, 0.3073,
0.3168

503.9972, 0.3098,
0.3223

61.9454, 0.3067,
0.3156

137.1598, 0.3081,
0.3187

44.9886, 0.3061,
0.3141

171.6273, 0.3085,
0.3194

31.4484, 0.3052,
0.3122

211.4333, 0.3088,
0.3201

20.9406, 0.3041,
0.3098

256.9625, 0.3090,
0.3206

13.0806, 0.3026,
0.3067

308.5990, 0.3092,
0.3211

7.4840, 0.3005,
0.3022

366.7274, 0.3094,

3.7666, 0.2974,

0.3215

0.2956

431.7320, 0.3096,
0.3219

■ 1.5439, 0.2919,
0.2847

■ 0.3193, 0.2668,
0.2233

■ 82.7033, 0.3073,
0.3168

■ 82.7033, 0.3073,
0.3168

■ 66.8115, 0.2950,
0.2898

■ 99.2470, 0.3181,
0.3386

■ 53.0745, 0.2809,
0.2602

■ 99.3735, 0.3185,
0.3386

■ 41.4012, 0.2651,
0.2283

■ 31.6903, 0.2478,
0.1952

■ 23.8315, 0.2297,
0.1624

■ 17.7035, 0.2116,
0.1316

■ 13.1701, 0.1946,
0.1052

■ 10.0738, 0.1798,
0.0849

■ 8.2230, 0.1682,
0.0719

Harmonies

Analogous

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



82.7033, 0.3015, 0.3171



82.7033, 0.3073, 0.3168



82.7033, 0.3146, 0.3197

Triad

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



82.7033, 0.3073, 0.3168



82.7033, 0.3270, 0.3372



82.7033, 0.3040, 0.3331

Complementary

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



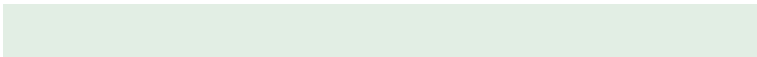
82.7033, 0.3073, 0.3168



90.0682, 0.3180, 0.3411

Split Complementary

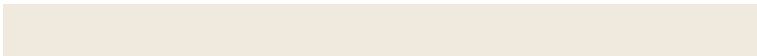
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7033, 0.3107, 0.3387



82.7033, 0.3073, 0.3168



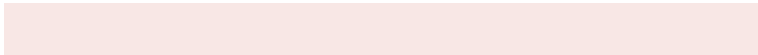
82.7033, 0.3240, 0.3410

Square

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



82.7033, 0.3073, 0.3168



82.7033, 0.3260, 0.3313



82.7033, 0.3180, 0.3416



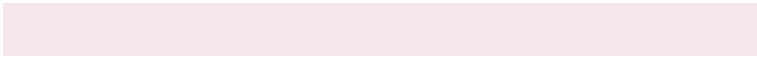
82.7033, 0.2996, 0.3265

Rectangle

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



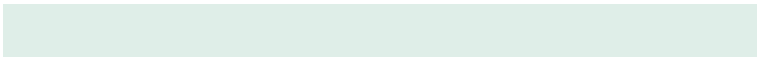
82.7033, 0.3073, 0.3168



82.7033, 0.3194, 0.3230



82.7033, 0.3180, 0.3416



82.7033, 0.3060, 0.3352

Sweetspot

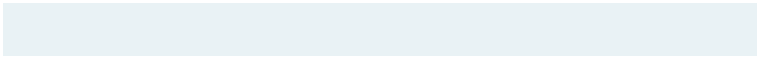
The Sweet Spot groups the original color and five complimentary colors.



82.7068, 0.3073, 0.3168



98.0245, 0.3116, 0.3266



87.4257, 0.3051, 0.3259



21.0021, 0.3117, 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.



82.7068, 0.3073, 0.3168



88.5212, 0.3060, 0.3140



83.7462, 0.3113, 0.3170



17.1251, 0.3053, 0.3123



4.1599, 0.1648, 0.0682



0.4125, 0.1771, 0.0749

Inverse Universe

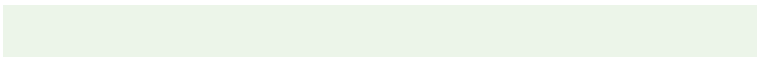
The Inverse Universe completely reimagines the original color for something new.



84.0978, 0.3152, 0.3200



90.3765, 0.3158, 0.3180



89.0291, 0.3141, 0.3412



17.5252, 0.3161, 0.3168



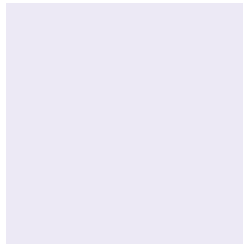
12.3214, 0.3975, 0.1964



1.0994, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 82.7033, 0.3073, 0.3168 looks on a white background.

Color Contrast Check

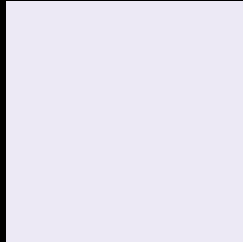
Large Text (above 18pt) WCAG AA × Fail

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 82.7033, 0.3073, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

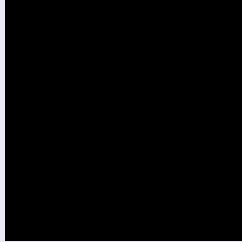
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

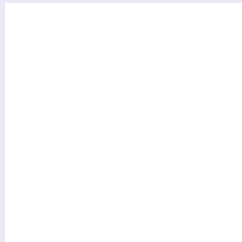
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7033, 0.3073, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 82.7033, 0.3073, 0.3168.

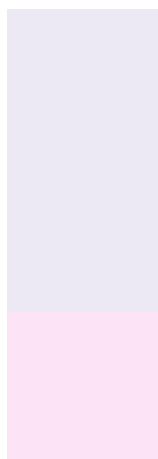


This preview shows how white text looks on a background with the Yxy color 82.7033, 0.3073, 0.3168.

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

82.7033, 0.3073, 0.3168

Protanopia

82.7033, 0.3073, 0.3168

Deuteranopia

82.8361, 0.3177, 0.3113



Tritanopia

82.6199, 0.3049, 0.3109

Trichromacy



Original Color

82.7033, 0.3073, 0.3168

Protanomaly

82.7033, 0.3073, 0.3168

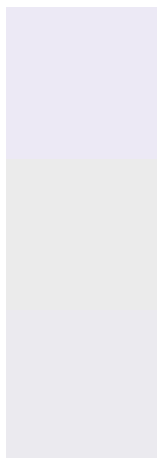
Deuteranomaly

82.8403, 0.3135, 0.3131

Tritanomaly

82.4951, 0.3061, 0.3128

Monochromacy



Original Color

82.7033, 0.3073, 0.3168

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.7398, 0.3103, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7033, 0.3073, 0.3168 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(236, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 245)  
}
```

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(236, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 245) }
```

Border

The CSS property to change the border of an element to Yxy 82.7033, 0.3073, 0.3168 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(236, 233, 245) }
```

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

```
.border{ border-color:rgb(236, 233, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7033, 0.3073, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 245) }
```

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

```
.background{ background-color: rgb(236,  
233, 245) }
```

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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