

Converting Colors

$Y_{xy}(82.3002, 0.3052, 0.3110)$

Have a look what the booklet for
Yxy(82.3002, 0.3052, 0.3110)
contains.

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Color

Yxy(82.5573, 0.3055, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	EDE8F9
RGB	237, 232, 249
RGB Percent	93%, 91%, 98%
CMY	0.0708, 0.0901, 0.0236
CMYK	0.05, 0.07, 0.00, 0.02
HSL	257°, 58%, 94%
HSV	257°, 7%, 98%
XYZ	80.8633, 82.5573, 101.2710
YIQ	235.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

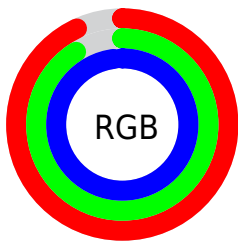
Format	Color
R _Y B	237, 232, 249
Decimal	15591673
CIE Lab	92.82, 4.72, -7.61
CIE LCh	93, 8.953, 301.849
Yxy	82.5573, 0.3055, 0.3119
Android (android.graphics.Color)	4293781753 (0xFFE8E8F9)
YUV	235.4330, 6.6885, 1.3743
Hunter-Lab	90.8610, -0.1478, -2.4801

Details

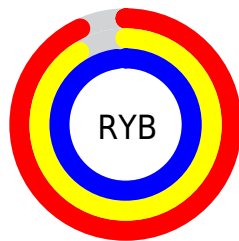
The Yxy color 82.5573, 0.3055, 0.3119 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.8032, 0.3196, 0.3459, and the grayscale version is 83.3704, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 44.7247, 0.3034, 0.3070 is the 20% darker color. If you saturate the color by 10%, you get 66.6294, 0.2935, 0.2845, and if you desaturate by 10%, it is 99.5445, 0.3160, 0.3348.

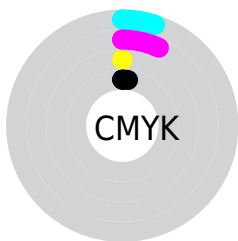
Distribution



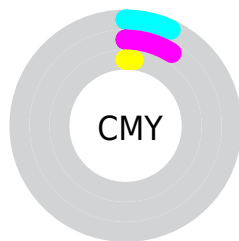
- Red (93%)
- Green (91%)
- Blue (98%)



- Red (93%)
- Yellow (91%)
- Blue (98%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5573, 0.3055, 0.3119 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 82.5573, 0.3055, 0.3119 by changing the saturation by 10% instead.

82.5573, 0.3055,
0.3119

82.5573, 0.3055,
0.3119

503.5099, 0.3088,
0.3196

61.8250, 0.3048,
0.3102

136.9553, 0.3066,
0.3145

44.8913, 0.3038,
0.3081

171.3897, 0.3071,
0.3155

31.3718, 0.3027,
0.3056

211.1603, 0.3075,
0.3164

20.8822, 0.3012,
0.3023

256.6515, 0.3078,
0.3172

13.0379, 0.2992,
0.2979

308.2477, 0.3081,
0.3179

7.4546, 0.2964,
0.2918

366.3332, 0.3084,

3.7480, 0.2921,

0.3185

0.2827

431.2925, 0.3086,
0.3191

■ 1.5336, 0.2848,
0.2679

■ 0.3122, 0.2582,
0.1956

■ 82.5573, 0.3055,
0.3119

■ 82.5573, 0.3055,
0.3119

■ 66.6294, 0.2935,
0.2845

■ 99.5445, 0.3160,
0.3348

■ 52.8915, 0.2798,
0.2546

■ 99.6178, 0.3162,
0.3348

■ 41.2491, 0.2644,
0.2227

■ 31.5968, 0.2477,
0.1900

■ 23.8198, 0.2301,
0.1578

■ 17.7913, 0.2127,
0.1282

■ 13.3681, 0.1962,
0.1031

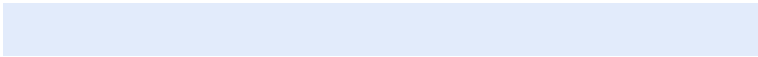
■ 10.3834, 0.1819,
0.0843

■ 8.6282, 0.1705,
0.0724

Harmonies

Analogous

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



82.5573, 0.2972, 0.3121



82.5573, 0.3055, 0.3119



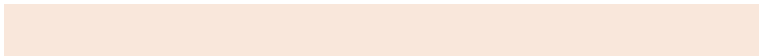
82.5573, 0.3159, 0.3161

Triad

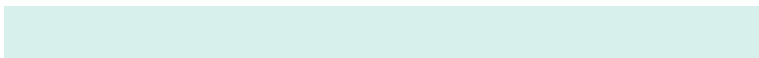
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5573, 0.3055, 0.3119



82.5573, 0.3328, 0.3409



82.5573, 0.2999, 0.3343

Complementary

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



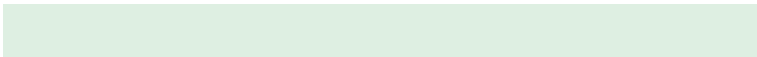
82.5573, 0.3055, 0.3119



92.8032, 0.3196, 0.3459

Split Complementary

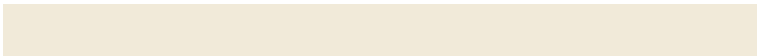
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5573, 0.3093, 0.3424



82.5573, 0.3055, 0.3119



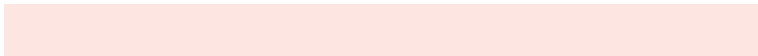
82.5573, 0.3284, 0.3461

Square

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



82.5573, 0.3055, 0.3119



82.5573, 0.3318, 0.3327



82.5573, 0.3197, 0.3468



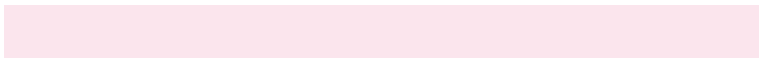
82.5573, 0.2940, 0.3249

Rectangle

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



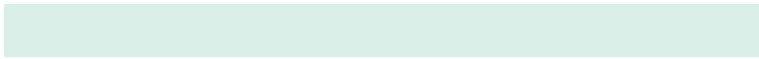
82.5573, 0.3055, 0.3119



82.5573, 0.3226, 0.3209



82.5573, 0.3197, 0.3468



82.5573, 0.3028, 0.3373

Sweetspot

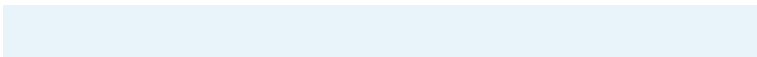
The Sweet Spot groups the original color and five complimentary colors.



82.5608, 0.3055, 0.3119



96.1092, 0.3107, 0.3241



88.8015, 0.3022, 0.3241



20.6121, 0.3108, 0.3243



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.



82.5608, 0.3055, 0.3119



85.0252, 0.3041, 0.3087



84.0318, 0.3110, 0.3122



16.8872, 0.3024, 0.3048



4.4679, 0.1689, 0.0704



0.4655, 0.1811, 0.0772

Inverse Universe

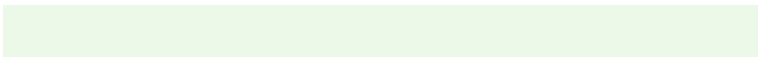
The Inverse Universe completely reimagines the original color for something new.



84.3967, 0.3166, 0.3171



87.2921, 0.3173, 0.3150



91.3423, 0.3142, 0.3461



17.4336, 0.3183, 0.3123



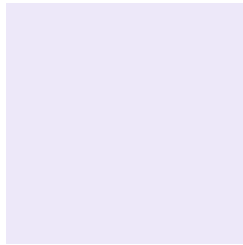
12.4987, 0.4112, 0.2039



1.1760, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 82.5573, 0.3055, 0.3119 looks on a white background.

Color Contrast Check

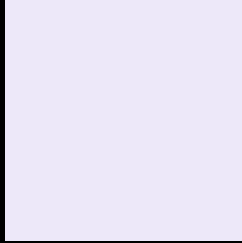
Large Text (above 18pt) WCAG AA × Fail

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 82.5573, 0.3055, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

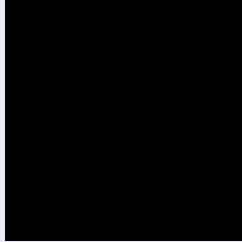
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5573, 0.3055, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 82.5573, 0.3055, 0.3119.



This preview shows how white text looks on a background with the Yxy color 82.5573, 0.3055, 0.3119.

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

82.5573, 0.3055, 0.3119

Protanopia

82.6098, 0.3035, 0.3128

Deuteranopia

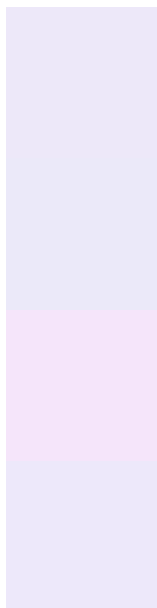
82.7129, 0.3137, 0.3074



Tritanopia

82.6199, 0.3049, 0.3109

Trichromacy



Original Color

82.5573, 0.3055, 0.3119

Protanomaly

82.7795, 0.3042, 0.3128

Deuteranomaly

82.3532, 0.3103, 0.3081

Tritanomaly

82.6199, 0.3049, 0.3109

Monochromacy



Original Color

82.5573, 0.3055, 0.3119

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9698, 0.3103, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5573, 0.3055, 0.3119 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(237, 232, 249)` looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 249)  
}
```

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(237, 232, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.5573, 0.3055, 0.3119 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(237, 232, 249) }
```

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

```
.border{ border-color:rgb(237, 232, 249) }
```

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

Here you see how a box with a 4 pixel rgb(237, 232, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5573, 0.3055, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 249) }
```

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

```
.background{ background-color: rgb(237,  
232, 249) }
```

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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