

Converting Colors

$Y_{xy}(82.9670, 0.3054, 0.3174)$

Have a look what the booklet for
Yxy(82.9670, 0.3054, 0.3174)
contains.

Yxy(82.9919, 0.3053, 0.3168)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.9919, 0.3053, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	EAEAF6
RGB	234, 234, 246
RGB Percent	92%, 92%, 96%
CMY	0.0825, 0.0823, 0.0353
CMYK	0.05, 0.05, 0.00, 0.04
HSL	240°, 40%, 94%
HSV	240°, 5%, 96%
XYZ	79.9793, 82.9919, 98.9982
YIQ	235.3680, -3.8520, 3.7320

Conversions

Conversions Part 2

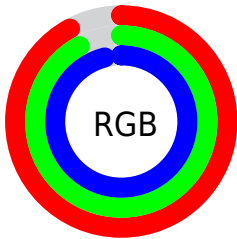
Format	Color
RYB	234, 234, 246
Decimal	15395574
CIELab	93.01, 2.17, -5.80
CIELCh	93, 6.197, 290.497
Yxy	82.9919, 0.3053, 0.3168
Android (android.graphics.Color)	4293585654 (0xFFEAEAF6)
YUV	235.3680, 5.2416, -1.1997
Hunter-Lab	91.0999, -2.7144, -0.6605

Details

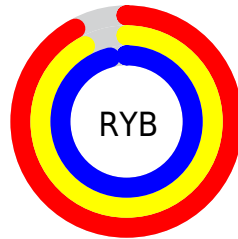
The Yxy color **82.9919, 0.3053, 0.3168** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.4130, 0.3200, 0.3409**, and the grayscale version is **83.3325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0235, 0.3032, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **66.1277, 0.2886, 0.2893**, and if you desaturate by 10%, it is **99.4344, 0.3179, 0.3376**.

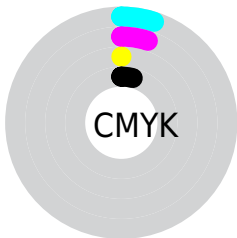
Distribution



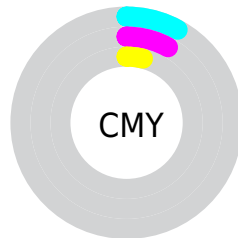
- Red (92%)
- Green (92%)
- Blue (96%)



- Red (92%)
- Yellow (92%)
- Blue (96%)



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



- Cyan (8%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9919, 0.3053, 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 82.9919, 0.3053, 0.3168 by changing the saturation by 10% instead.

82.9919, 0.3053,
0.3168

82.9919, 0.3053,
0.3168

504.9595, 0.3087,
0.3223

62.1835, 0.3045,
0.3156

137.5641, 0.3065,
0.3187

45.1810, 0.3036,
0.3141

172.0967, 0.3069,
0.3194

31.6000, 0.3025,
0.3122

211.9728, 0.3073,
0.3201

21.0561, 0.3010,
0.3098

257.5767, 0.3076,
0.3206

13.1651, 0.2990,
0.3067

309.2930, 0.3079,
0.3211

7.5423, 0.2962,
0.3022

367.5060, 0.3082,

3.8035, 0.2919,

0.3215

0.2955

432.6000, 0.3084,
0.3219

■ 1.5643, 0.2848,
0.2845

■ 0.3333, 0.2512,
0.2265

■ 82.9919, 0.3053,
0.3168

■ 82.9919, 0.3053,
0.3168

■ 66.1277, 0.2886,
0.2893

■ 99.4344, 0.3179,
0.3376

■ 51.6615, 0.2698,
0.2584

■ 39.4877, 0.2493,
0.2246

■ 29.4887, 0.2277,
0.1890

■ 21.5364, 0.2063,
0.1535

■ 15.4895, 0.1864,
0.1207

■ 11.1887, 0.1699,
0.0934

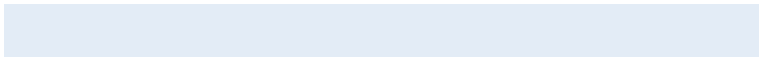
■ 8.4488, 0.1582,
0.0738

■ 7.0429, 0.1518,
0.0631

Harmonies

Analogous

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



82.9919, 0.3005, 0.3182



82.9919, 0.3053, 0.3168



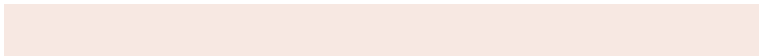
82.9919, 0.3122, 0.3186

Triad

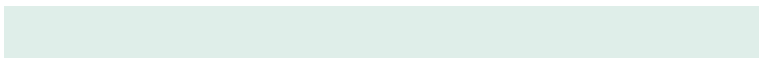
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9919, 0.3053, 0.3168



82.9919, 0.3268, 0.3353



82.9919, 0.3062, 0.3350

Complementary

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



82.9919, 0.3053, 0.3168



91.4130, 0.3200, 0.3409

Split Complementary

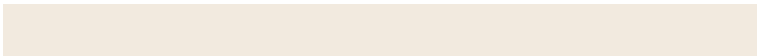
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9919, 0.3131, 0.3397



82.9919, 0.3053, 0.3168



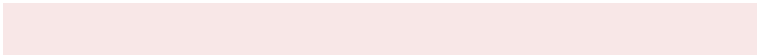
82.9919, 0.3251, 0.3398

Square

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



82.9919, 0.3053, 0.3168



82.9919, 0.3246, 0.3292



82.9919, 0.3201, 0.3415



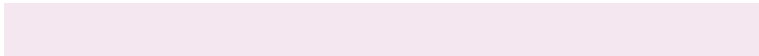
82.9919, 0.3009, 0.3287

Rectangle

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



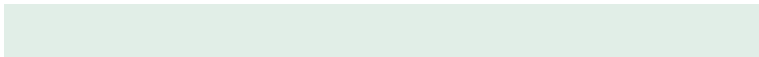
82.9919, 0.3053, 0.3168



82.9919, 0.3170, 0.3214



82.9919, 0.3201, 0.3415



82.9919, 0.3084, 0.3368

Sweetspot

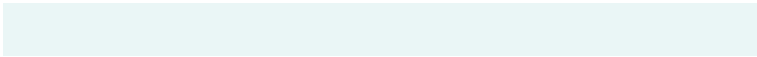
The Sweet Spot groups the original color and five complimentary colors.



82.9954, 0.3053, 0.3168



97.9113, 0.3112, 0.3266



90.0442, 0.3052, 0.3292



20.9791, 0.3113, 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.



82.9954, 0.3053, 0.3168



87.8812, 0.3035, 0.3139



83.9633, 0.3091, 0.3169



16.9876, 0.3025, 0.3123



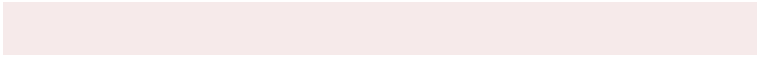
3.5716, 0.1501, 0.0603



0.3185, 0.1503, 0.0611

Inverse Universe

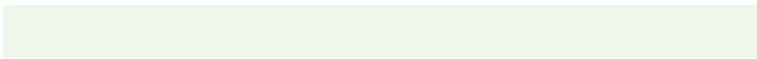
The Inverse Universe completely reimagines the original color for something new.



84.3576, 0.3208, 0.3290



89.6816, 0.3228, 0.3290



90.4125, 0.3162, 0.3411



17.3756, 0.3239, 0.3290



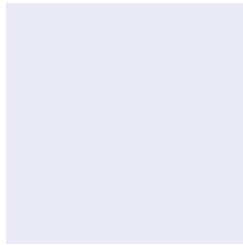
10.4599, 0.6396, 0.3297



0.9198, 0.6382, 0.3289

Previews

White Background



This preview shows how the Yxy color 82.9919, 0.3053, 0.3168 looks on a white background.

Color Contrast Check

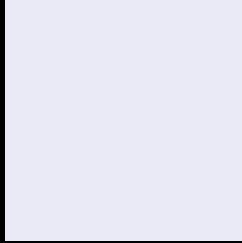
Large Text (above 18pt) WCAG AA × Fail

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 82.9919, 0.3053, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

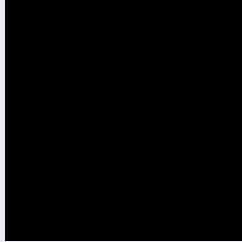
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

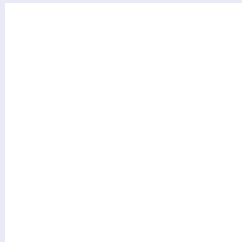
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9919, 0.3053, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 82.9919, 0.3053, 0.3168.

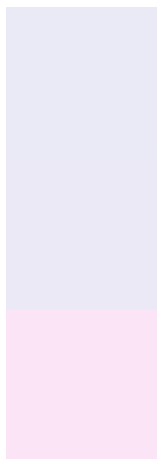


This preview shows how white text looks on a background with the Yxy color 82.9919, 0.3053, 0.3168.

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

82.9919, 0.3053, 0.3168

Protanopia

82.7645, 0.3067, 0.3158

Deuteranopia

82.8977, 0.3170, 0.3104



Tritanopia

82.9683, 0.3024, 0.3098

Trichromacy



Original Color

82.9919, 0.3053, 0.3168

Protanomaly

82.5938, 0.3060, 0.3158

Deuteranomaly

82.7215, 0.3122, 0.3121

Tritanomaly

82.8421, 0.3036, 0.3118

Monochromacy



Original Color

82.9919, 0.3053, 0.3168

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3108, 0.3102, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9919, 0.3053, 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(234, 234, 246)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 246)  
}
```

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, 234, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.9919, 0.3053, 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(234, 234, 246) }
```

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

```
.border{ border-color:rgb(234, 234, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 246);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9919, 0.3053, 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(234, 234, 246) }
```

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

```
.background{ background-color: rgb(234,  
234, 246) }
```

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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