

Converting Colors

$Yxy(81.7743, 0.3070, 0.3198)$

Have a look what the booklet for
Yxy(81.7743, 0.3070, 0.3198)
contains.

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Color

Yxy(82.0123, 0.3071, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9F2
RGB	233, 233, 242
RGB Percent	91%, 91%, 95%
CMY	0.0865, 0.0862, 0.0510
CMYK	0.04, 0.04, 0.00, 0.05
HSL	239°, 26%, 93%
HSV	239°, 4%, 95%
XYZ	78.7554, 82.0123, 95.6810
YIQ	234.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

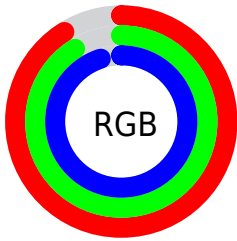
Format	Color
R _Y B	233, 233, 242
Decimal	15329778
CIE Lab	92.58, 1.61, -4.36
CIE LCh	93, 4.645, 290.226
Yxy	82.0123, 0.3071, 0.3198
Android (android.graphics.Color)	4293519858 (0xFFE9E9F2)
YUV	234.0260, 3.9312, -0.8998
Hunter-Lab	90.5606, -3.2499, 0.7501

Details

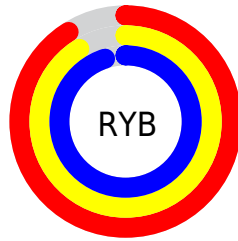
The Yxy color **82.0123, 0.3071, 0.3198** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.2117, 0.3182, 0.3380**, and the grayscale version is **82.2677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3366, 0.3055, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **65.5496, 0.2907, 0.2928**, and if you desaturate by 10%, it is **99.1907, 0.3203, 0.3415**.

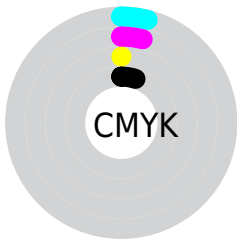
Distribution



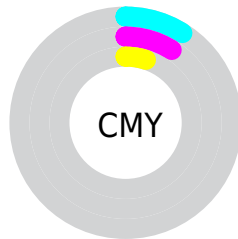
- Red (91%)
- Green (91%)
- Blue (95%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0123, 0.3071, 0.3198 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 82.0123, 0.3071, 0.3198 by changing the saturation by 10% instead.

82.0123, 0.3071,
0.3198

82.0123, 0.3071,
0.3198

501.6888, 0.3097,
0.3240

61.3757, 0.3065,
0.3189

136.1913, 0.3080,
0.3212

44.5284, 0.3058,
0.3177

170.5024, 0.3083,
0.3218

31.0861, 0.3049,
0.3163

210.1404, 0.3086,
0.3223

20.6645, 0.3038,
0.3145

255.4898, 0.3089,
0.3227

12.8790, 0.3023,
0.3120

306.9350, 0.3091,
0.3231

7.3452, 0.3001,
0.3086

364.8603, 0.3093,

3.6789, 0.2969,

0.3234

0.3034

429.6501, 0.3095,
0.3237

■ 1.4956, 0.2913,
0.2948

■ 0.2857, 0.2563,
0.2357

■ 82.0123, 0.3071,
0.3198

■ 82.0123, 0.3071,
0.3198

■ 65.5496, 0.2907,
0.2928

■ 99.1907, 0.3203,
0.3415

■ 51.3908, 0.2722,
0.2625

■ 39.4362, 0.2519,
0.2291

■ 29.5750, 0.2304,
0.1938

■ 21.6870, 0.2089,
0.1583

■ 15.6392, 0.1888,
0.1251

■ 11.2830, 0.1719,
0.0969

■ 8.4461, 0.1595,
0.0762

■ 6.9201, 0.1524,
0.0642

Harmonies

Analogous

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



82.0123, 0.3035, 0.3209



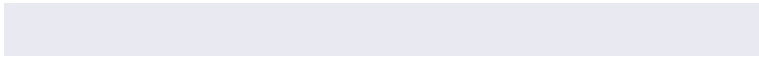
82.0123, 0.3071, 0.3198



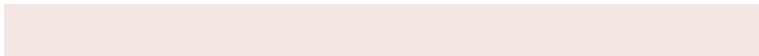
82.0123, 0.3123, 0.3211

Triad

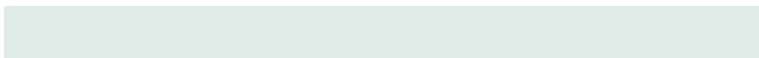
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0123, 0.3071, 0.3198



82.0123, 0.3233, 0.3337



82.0123, 0.3078, 0.3336

Complementary

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



82.0123, 0.3071, 0.3198



88.2117, 0.3182, 0.3380

Split Complementary

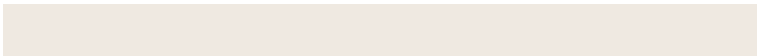
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0123, 0.3131, 0.3371



82.0123, 0.3071, 0.3198



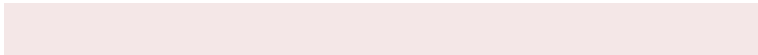
82.0123, 0.3221, 0.3371

Square

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



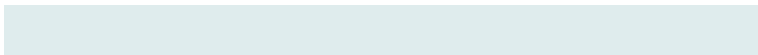
82.0123, 0.3071, 0.3198



82.0123, 0.3216, 0.3291



82.0123, 0.3183, 0.3384



82.0123, 0.3039, 0.3288

Rectangle

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



82.0123, 0.3071, 0.3198



82.0123, 0.3159, 0.3232



82.0123, 0.3183, 0.3384



82.0123, 0.3095, 0.3349

Sweetspot

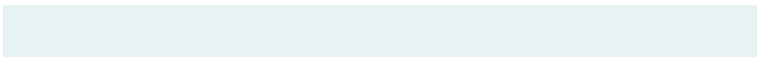
The Sweet Spot groups the original color and five complimentary colors.



82.0158, 0.3071, 0.3198



97.9178, 0.3112, 0.3266



87.2189, 0.3070, 0.3291



20.9804, 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.



82.0158, 0.3071, 0.3198



91.8358, 0.3067, 0.3191



82.7154, 0.3100, 0.3198



16.9349, 0.3056, 0.3173



3.4798, 0.1502, 0.0606



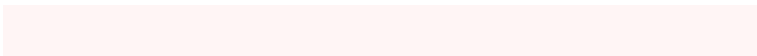
0.2974, 0.1506, 0.0621

Inverse Universe

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



83.0066, 0.3188, 0.3289



93.0298, 0.3193, 0.3289



87.4949, 0.3153, 0.3382



17.1977, 0.3205, 0.3289



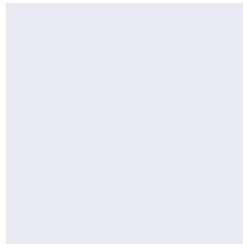
10.1446, 0.6391, 0.3294



0.8447, 0.6366, 0.3280

Previews

White Background



This preview shows how the Yxy color 82.0123, 0.3071, 0.3198 looks on a white background.

Color Contrast Check

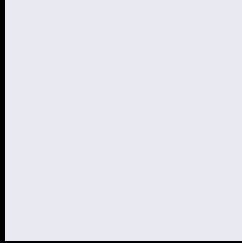
Large Text (above 18pt) WCAG AA × Fail

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 82.0123, 0.3071, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

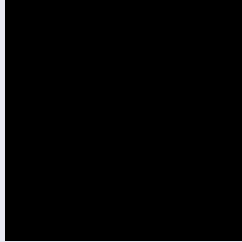
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

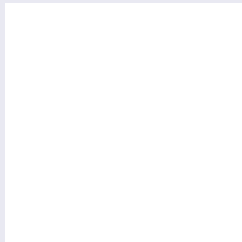
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0123, 0.3071, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 82.0123, 0.3071, 0.3198.

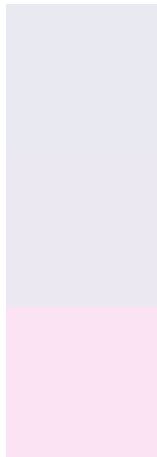


This preview shows how white text looks on a background with the Yxy color 82.0123, 0.3071, 0.3198.

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

82.0123, 0.3071, 0.3198

Protanopia

81.7862, 0.3085, 0.3188

Deuteranopia

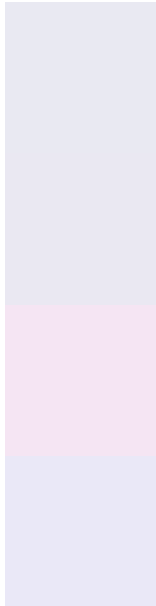
82.1047, 0.3197, 0.3132



Tritanopia

82.1078, 0.3029, 0.3108

Trichromacy



Original Color

82.0123, 0.3071, 0.3198

Protanomaly

81.6165, 0.3078, 0.3188

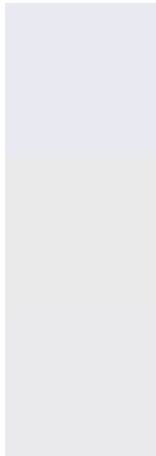
Deuteranomaly

81.9222, 0.3147, 0.3150

Tritanomaly

81.9211, 0.3048, 0.3137

Monochromacy



Original Color

82.0123, 0.3071, 0.3198

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4525, 0.3109, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0123, 0.3071, 0.3198 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, 233, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 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(233, 233, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 242) }
```

Border

The CSS property to change the border of an element to Yxy 82.0123, 0.3071, 0.3198 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, 233, 242) }
```

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

```
.border{ border-color:rgb(233, 233, 242) }
```

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

Here you see how a box with a 4 pixel rgb(233, 233, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0123, 0.3071, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 242) }
```

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

```
.background{ background-color: rgb(233,  
233, 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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