

Converting Colors

Yxy(81.1058, 0.3043, 0.3161)

Have a look what the booklet for
Yxy(81.1058, 0.3043, 0.3161)
contains.

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Color

Yxy(81.2338, 0.3046, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	E7E8F4
RGB	231, 232, 244
RGB Percent	91%, 91%, 96%
CMY	0.0943, 0.0901, 0.0432
CMYK	0.05, 0.05, 0.00, 0.04
HSL	235°, 37%, 93%
HSV	235°, 5%, 96%
XYZ	78.1301, 81.2338, 97.1368
YIQ	233.0690, -4.4480, 3.5200

Conversions

Conversions Part 2

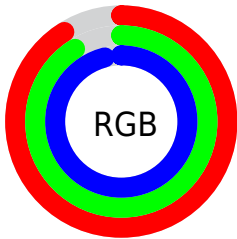
Format	Color
R _Y B	231, 232, 244
Decimal	15198452
CIE Lab	92.24, 1.85, -5.92
CIE LCh	92, 6.201, 287.314
Yxy	81.2338, 0.3046, 0.3167
Android (android.graphics.Color)	4293388532 (0xFFE7E8F4)
YUV	233.0690, 5.3890, -1.8145
Hunter-Lab	90.1298, -2.9922, -0.8086

Details

The Yxy color **81.2338, 0.3046, 0.3167** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0594, 0.3207, 0.3410**, and the grayscale version is **81.4994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7955, 0.3023, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **65.6253, 0.2879, 0.2912**, and if you desaturate by 10%, it is **98.9571, 0.3191, 0.3390**.

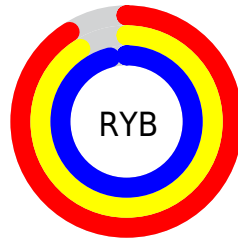
Distribution



Red (91%)

Green (91%)

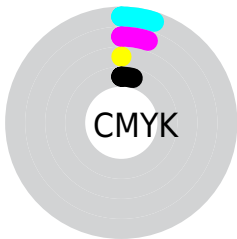
Blue (96%)



Red (91%)

Yellow (91%)

Blue (96%)

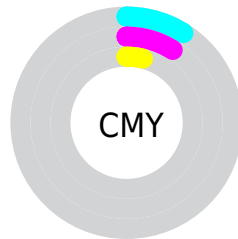


Cyan (5%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2338, 0.3046, 0.3167 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 81.2338, 0.3046, 0.3167 by changing the saturation by 10% instead.

81.2338, 0.3046,
0.3167

81.2338, 0.3046,
0.3167

499.0812, 0.3083,
0.3223

60.7342, 0.3038,
0.3155

135.0990, 0.3059,
0.3186

44.0107, 0.3028,
0.3139

169.2334, 0.3064,
0.3194

30.6789, 0.3015,
0.3120

208.6814, 0.3068,
0.3200

20.3545, 0.2998,
0.3096

253.8276, 0.3072,
0.3206

12.6530, 0.2976,
0.3063

305.0563, 0.3075,
0.3211

7.1900, 0.2945,
0.3017

362.7518, 0.3078,

3.5812, 0.2897,

0.3215

0.2948

427.2987, 0.3081,
0.3219

■ 1.4422, 0.2816,
0.2832

■ 0.2475, 0.2314,
0.2044

■ 81.2338, 0.3046,
0.3167

■ 81.2338, 0.3046,
0.3167

■ 65.6253, 0.2879,
0.2912

■ 98.9571, 0.3191,
0.3390

■ 52.1065, 0.2695,
0.2627

■ 99.3108, 0.3191,
0.3396

■ 40.5919, 0.2495,
0.2313

■ 30.9859, 0.2287,
0.1981

■ 23.1850, 0.2080,
0.1644

■ 17.0760, 0.1887,
0.1324

■ 12.5329, 0.1724,
0.1043

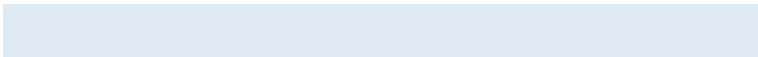
■ 9.4118, 0.1603,
0.0825

■ 7.5419, 0.1531,
0.0682

Harmonies

Analogous

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



81.2338, 0.3000, 0.3184



81.2338, 0.3046, 0.3167



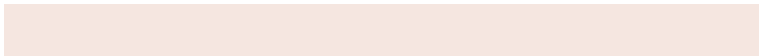
81.2338, 0.3114, 0.3182

Triad

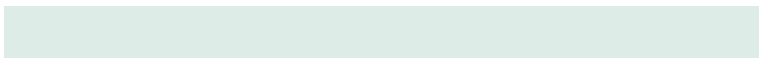
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2338, 0.3046, 0.3167



81.2338, 0.3268, 0.3347



81.2338, 0.3068, 0.3357

Complementary

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



81.2338, 0.3046, 0.3167



89.0594, 0.3207, 0.3410

Split Complementary

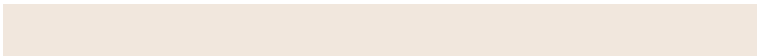
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2338, 0.3139, 0.3402



81.2338, 0.3046, 0.3167



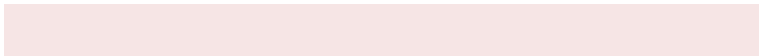
81.2338, 0.3256, 0.3395

Square

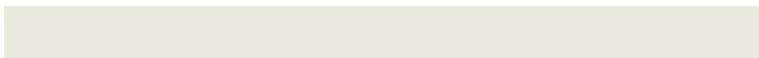
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2338, 0.3046, 0.3167



81.2338, 0.3243, 0.3285



81.2338, 0.3208, 0.3416



81.2338, 0.3013, 0.3294

Rectangle

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



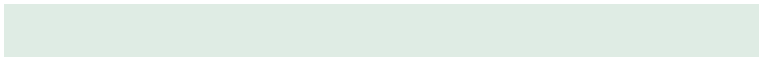
81.2338, 0.3046, 0.3167



81.2338, 0.3163, 0.3208



81.2338, 0.3208, 0.3416



81.2338, 0.3091, 0.3374

Sweetspot

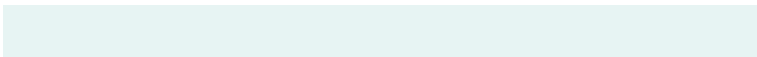
The Sweet Spot groups the original color and five complimentary colors.



81.2373, 0.3046, 0.3167



96.0909, 0.3097, 0.3245



88.1408, 0.3050, 0.3301



20.6084, 0.3099, 0.3247



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.



81.2373, 0.3046, 0.3167



88.5657, 0.3035, 0.3151



81.5633, 0.3082, 0.3158



17.1345, 0.3025, 0.3136



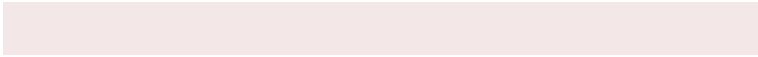
3.8944, 0.1515, 0.0652



0.4150, 0.1548, 0.0772

Inverse Universe

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



82.1904, 0.3210, 0.3280



89.7508, 0.3221, 0.3278



88.7345, 0.3170, 0.3422



17.3905, 0.3231, 0.3277



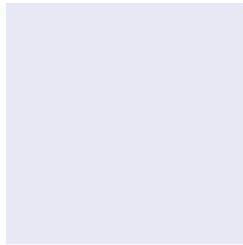
10.4925, 0.6313, 0.3251



0.9295, 0.6114, 0.3142

Previews

White Background



This preview shows how the Yxy color 81.2338, 0.3046, 0.3167 looks on a white background.

Color Contrast Check

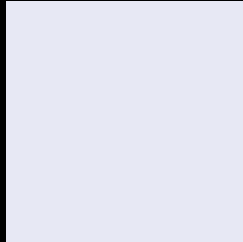
Large Text (above 18pt) WCAG AA × Fail

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 81.2338, 0.3046, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

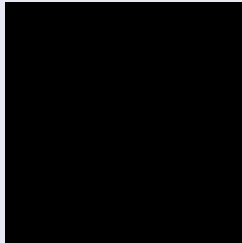
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

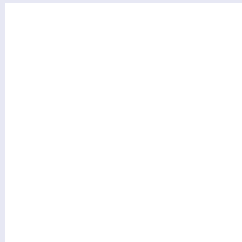
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2338, 0.3046, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 81.2338, 0.3046, 0.3167.

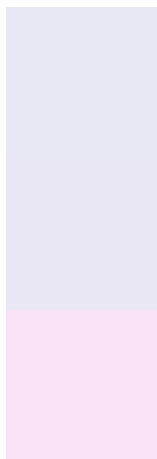


This preview shows how white text looks on a background with the Yxy color 81.2338, 0.3046, 0.3167.

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

81.2338, 0.3046, 0.3167

Protanopia

81.1759, 0.3066, 0.3157

Deuteranopia

81.1250, 0.3164, 0.3102



Tritanopia

81.1472, 0.3022, 0.3106

Trichromacy



Original Color

81.2338, 0.3046, 0.3167

Protanomaly

81.0071, 0.3060, 0.3157

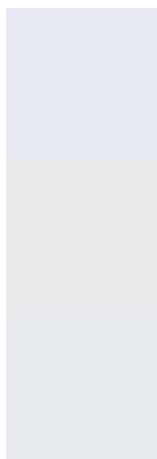
Deuteranomaly

80.9566, 0.3115, 0.3119

Tritanomaly

81.0230, 0.3035, 0.3126

Monochromacy



Original Color

81.2338, 0.3046, 0.3167

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.5481, 0.3096, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2338, 0.3046, 0.3167 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(231, 232, 244)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 244)  
}
```

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(231, 232, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 244) }
```

Border

The CSS property to change the border of an element to Yxy 81.2338, 0.3046, 0.3167 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(231, 232, 244) }
```

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

```
.border{ border-color:rgb(231, 232, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 244);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2338, 0.3046, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 244) }
```

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

```
.background{ background-color: rgb(231,  
232, 244) }
```

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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