

Converting Colors

Yxy(81.0872, 0.3033, 0.3139)

Have a look what the booklet for
Yxy(81.0872, 0.3033, 0.3139)
contains.

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Color

Yxy(80.7946, 0.3034, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7F6
RGB	231, 231, 246
RGB Percent	91%, 91%, 96%
CMY	0.0941, 0.0941, 0.0352
CMYK	0.06, 0.06, 0.00, 0.04
HSL	240°, 46%, 94%
HSV	240°, 6%, 96%
XYZ	78.1667, 80.7946, 98.6745
YIQ	232.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

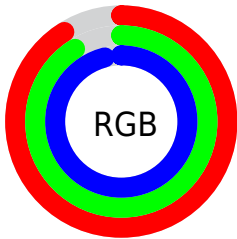
Format	Color
R _Y B	231, 231, 246
Decimal	15198198
CIE Lab	92.04, 2.76, -7.27
CIE LCh	92, 7.774, 290.802
Yxy	80.7946, 0.3034, 0.3136
Android (android.graphics.Color)	4293388278 (0xFFE7E7F6)
YUV	232.7100, 6.5520, -1.4997
Hunter-Lab	89.8858, -2.0726, -2.1671

Details

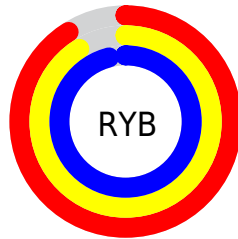
The Yxy color **80.7946, 0.3034, 0.3136** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.2830, 0.3218, 0.3439**, and the grayscale version is **81.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4916, 0.3007, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **64.1739, 0.2864, 0.2855**, and if you desaturate by 10%, it is **99.4347, 0.3179, 0.3376**.

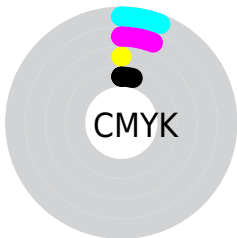
Distribution



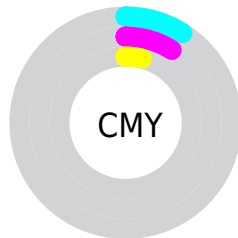
- Red (91%)
- Green (91%)
- Blue (96%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7946, 0.3034, 0.3136 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 80.7946, 0.3034, 0.3136 by changing the saturation by 10% instead.

80.7946, 0.3034,
0.3136

80.7946, 0.3034,
0.3136

497.6067, 0.3076,
0.3206

60.3724, 0.3024,
0.3121

134.4823, 0.3049,
0.3160

43.7189, 0.3013,
0.3102

168.5167, 0.3054,
0.3169

30.4496, 0.2998,
0.3078

207.8572, 0.3059,
0.3177

20.1801, 0.2979,
0.3047

252.8884, 0.3064,
0.3184

12.5260, 0.2953,
0.3007

303.9945, 0.3067,
0.3191

7.1030, 0.2917,
0.2950

361.5600, 0.3071,

3.5266, 0.2862,

0.3196

0.2864

425.9692, 0.3074,
0.3201

■ 1.4124, 0.2768,
0.2721

■ 0.2259, 0.2235,
0.1790

■ 80.7946, 0.3034,
0.3136

■ 80.7946, 0.3034,
0.3136

■ 64.1739, 0.2864,
0.2855

■ 99.4347, 0.3179,
0.3376

■ 49.9555, 0.2674,
0.2541

■ 38.0312, 0.2467,
0.2198

■ 28.2812, 0.2250,
0.1840

■ 20.5742, 0.2036,
0.1486

■ 14.7652, 0.1841,
0.1163

■ 10.6899, 0.1681,
0.0899

■ 8.1563, 0.1570,
0.0716

■ 6.9261, 0.1513,
0.0622

Harmonies

Analogous

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



80.7946, 0.2973, 0.3153



80.7946, 0.3034, 0.3136



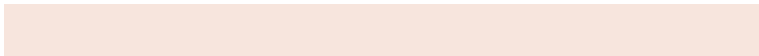
80.7946, 0.3121, 0.3159

Triad

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



80.7946, 0.3034, 0.3136



80.7946, 0.3305, 0.3370



80.7946, 0.3043, 0.3365

Complementary

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



80.7946, 0.3034, 0.3136



91.2830, 0.3218, 0.3439

Split Complementary

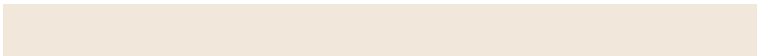
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7946, 0.3131, 0.3426



80.7946, 0.3034, 0.3136



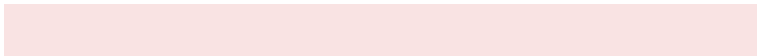
80.7946, 0.3284, 0.3427

Square

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



80.7946, 0.3034, 0.3136



80.7946, 0.3279, 0.3293



80.7946, 0.3220, 0.3448



80.7946, 0.2978, 0.3284

Rectangle

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



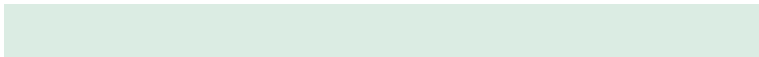
80.7946, 0.3034, 0.3136



80.7946, 0.3182, 0.3194



80.7946, 0.3220, 0.3448



80.7946, 0.3071, 0.3389

Sweetspot

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



80.7980, 0.3034, 0.3136



95.8355, 0.3097, 0.3241



89.5489, 0.3034, 0.3292



20.5563, 0.3099, 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.



80.7980, 0.3034, 0.3136



85.9085, 0.3019, 0.3112



82.0284, 0.3082, 0.3138



16.6234, 0.3010, 0.3097



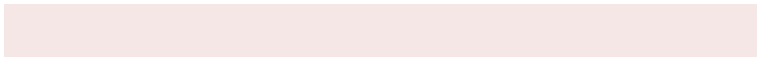
3.5527, 0.1500, 0.0600



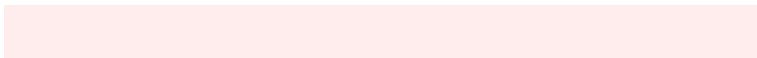
0.3125, 0.1500, 0.0601

Inverse Universe

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



82.5173, 0.3230, 0.3290



88.0388, 0.3247, 0.3290



89.9987, 0.3170, 0.3442



17.0733, 0.3258, 0.3290



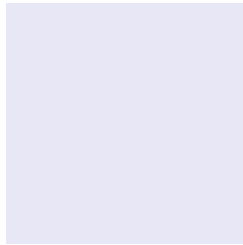
10.4580, 0.6400, 0.3300



0.9192, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 80.7946, 0.3034, 0.3136 looks on a white background.

Color Contrast Check

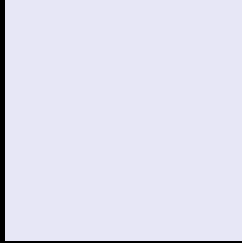
Large Text (above 18pt) WCAG AA × Fail

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 80.7946, 0.3034, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

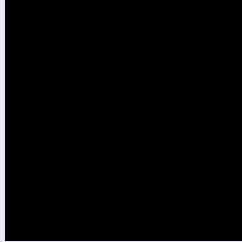
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

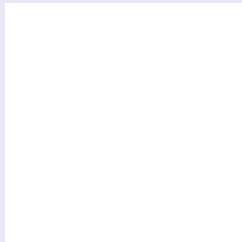
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7946, 0.3034, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 80.7946, 0.3034, 0.3136.



This preview shows how white text looks on a background with the Yxy color 80.7946, 0.3034, 0.3136.

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

80.7946, 0.3034, 0.3136

Protanopia

80.9615, 0.3041, 0.3136

Deuteranopia

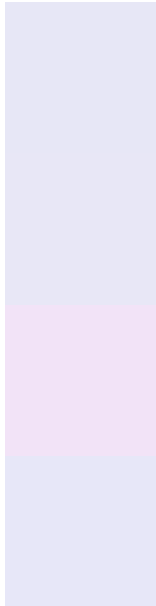
80.5223, 0.3144, 0.3072



Tritanopia

80.9803, 0.3016, 0.3106

Trichromacy



Original Color

80.7946, 0.3034, 0.3136

Protanomaly

80.9615, 0.3041, 0.3136

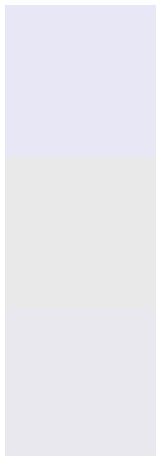
Deuteranomaly

80.5308, 0.3102, 0.3089

Tritanomaly

80.9181, 0.3022, 0.3116

Monochromacy



Original Color

80.7946, 0.3034, 0.3136

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0421, 0.3090, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7946, 0.3034, 0.3136 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, 231, 246)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 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(231, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.7946, 0.3034, 0.3136 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, 231, 246) }
```

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

```
.border{ border-color:rgb(231, 231, 246) }
```

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

Here you see how a box with a 4 pixel rgb(231, 231, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7946, 0.3034, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 246) }
```

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

```
.background{ background-color: rgb(231,  
231, 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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