

Converting Colors

$Yxy(80.7044, 0.3050, 0.3158)$

Have a look what the booklet for
Yxy(80.7044, 0.3050, 0.3158)
contains.

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Color

Yxy(80.6724, 0.3046, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	E7E7F4
RGB	231, 231, 244
RGB Percent	91%, 91%, 96%
CMY	0.0942, 0.0941, 0.0430
CMYK	0.05, 0.05, 0.00, 0.04
HSL	240°, 37%, 93%
HSV	240°, 5%, 96%
XYZ	77.8606, 80.6724, 97.0829
YIQ	232.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

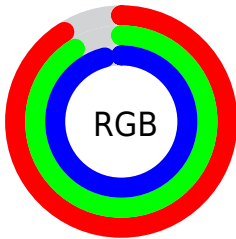
Format	Color
R _Y B	231, 231, 244
Decimal	15198196
CIE Lab	91.99, 2.38, -6.31
CIE LCh	92, 6.750, 290.678
Yxy	80.6724, 0.3046, 0.3156
Android (android.graphics.Color)	4293388276 (0xFFE7E7F4)
YUV	232.4820, 5.6784, -1.2997
Hunter-Lab	89.8178, -2.4444, -1.2133

Details

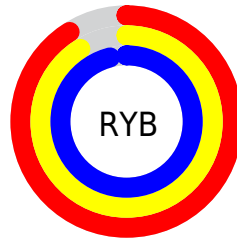
The Yxy color **80.6724, 0.3046, 0.3156** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.7197, 0.3206, 0.3421**, and the grayscale version is **81.0370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4047, 0.3023, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **64.1900, 0.2878, 0.2879**, and if you desaturate by 10%, it is **99.3138, 0.3191, 0.3395**.

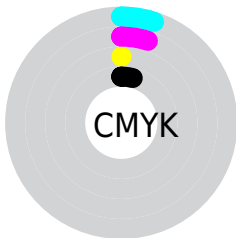
Distribution



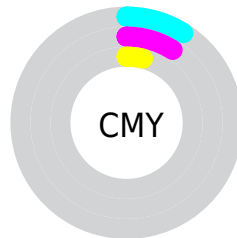
- Red (91%)
- Green (91%)
- Blue (96%)



- 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 80.6724, 0.3046, 0.3156 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 80.6724, 0.3046, 0.3156 by changing the saturation by 10% instead.

80.6724, 0.3046,
0.3156

80.6724, 0.3046,
0.3156

497.1960, 0.3083,
0.3217

60.2718, 0.3038,
0.3142

134.3107, 0.3059,
0.3177

43.6378, 0.3027,
0.3126

168.3172, 0.3064,
0.3185

30.3858, 0.3015,
0.3105

207.6278, 0.3068,
0.3192

20.1316, 0.2998,
0.3079

252.6268, 0.3072,
0.3198

12.4908, 0.2976,
0.3043

303.6988, 0.3075,
0.3204

7.0788, 0.2944,
0.2993

361.2281, 0.3078,

3.5115, 0.2896,

0.3208

0.2917

425.5990, 0.3081,
0.3213

■ 1.4042, 0.2813,
0.2791

■ 0.2198, 0.2287,
0.1882

■ 80.6724, 0.3046,
0.3156

■ 80.6724, 0.3046,
0.3156

■ 64.1900, 0.2878,
0.2879

■ 99.3138, 0.3191,
0.3395

■ 50.0679, 0.2689,
0.2567

■ 38.2011, 0.2483,
0.2227

■ 28.4730, 0.2267,
0.1870

■ 20.7564, 0.2053,
0.1515

■ 14.9106, 0.1855,
0.1189

■ 10.7769, 0.1692,
0.0919

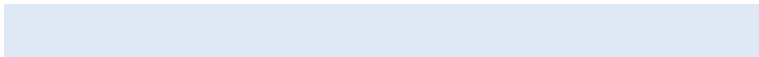
■ 8.1703, 0.1577,
0.0729

■ 6.8631, 0.1516,
0.0627

Harmonies

Analogous

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



80.6724, 0.2993, 0.3171



80.6724, 0.3046, 0.3156



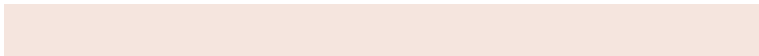
80.6724, 0.3122, 0.3176

Triad

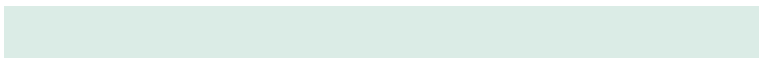
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6724, 0.3046, 0.3156



80.6724, 0.3282, 0.3359



80.6724, 0.3055, 0.3356

Complementary

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



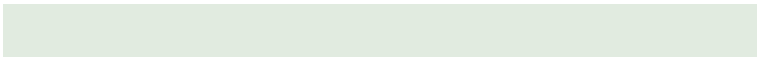
80.6724, 0.3046, 0.3156



89.7197, 0.3206, 0.3421

Split Complementary

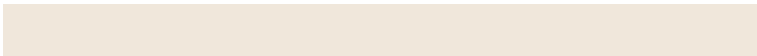
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6724, 0.3131, 0.3408



80.6724, 0.3046, 0.3156



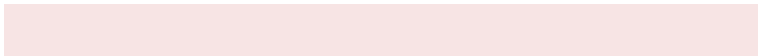
80.6724, 0.3263, 0.3409

Square

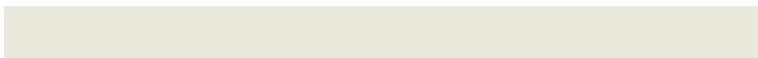
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6724, 0.3046, 0.3156



80.6724, 0.3259, 0.3292



80.6724, 0.3208, 0.3427



80.6724, 0.2998, 0.3286

Rectangle

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



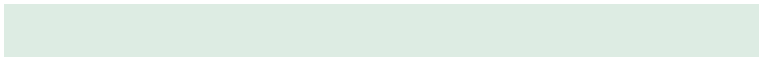
80.6724, 0.3046, 0.3156



80.6724, 0.3175, 0.3207



80.6724, 0.3208, 0.3427



80.6724, 0.3079, 0.3376

Sweetspot

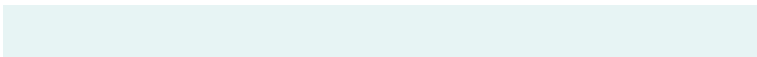
The Sweet Spot groups the original color and five complimentary colors.



80.6758, 0.3046, 0.3156



95.8393, 0.3097, 0.3241



88.2303, 0.3045, 0.3292



20.5571, 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.



80.6758, 0.3046, 0.3156



87.8498, 0.3035, 0.3139



81.7334, 0.3088, 0.3158



16.9808, 0.3025, 0.3122



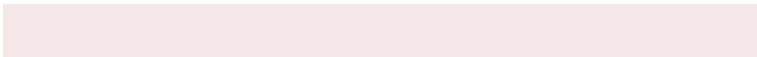
3.5575, 0.1500, 0.0601



0.3140, 0.1501, 0.0603

Inverse Universe

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



82.1538, 0.3217, 0.3290



89.6785, 0.3228, 0.3290



88.6220, 0.3165, 0.3422



17.3750, 0.3240, 0.3290



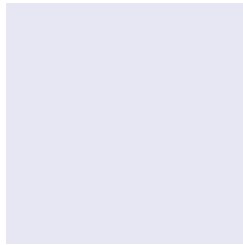
10.4585, 0.6399, 0.3299



0.9193, 0.6395, 0.3297

Previews

White Background



This preview shows how the Yxy color 80.6724, 0.3046, 0.3156 looks on a white background.

Color Contrast Check

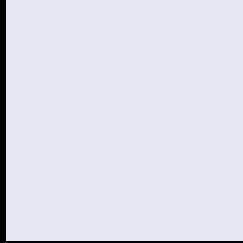
Large Text (above 18pt) WCAG AA × Fail

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 80.6724, 0.3046, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

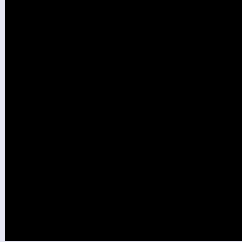
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

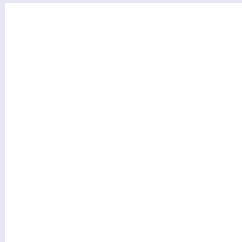
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6724, 0.3046, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 80.6724, 0.3046, 0.3156.

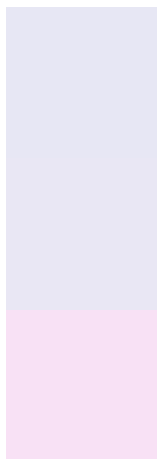


This preview shows how white text looks on a background with the Yxy color 80.6724, 0.3046, 0.3156.

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

80.6724, 0.3046, 0.3156

Protanopia

81.0071, 0.3060, 0.3157

Deuteranopia

80.3995, 0.3157, 0.3091



Tritanopia

80.5267, 0.3029, 0.3106

Trichromacy



Original Color

80.6724, 0.3046, 0.3156

Protanomaly

80.8393, 0.3053, 0.3157

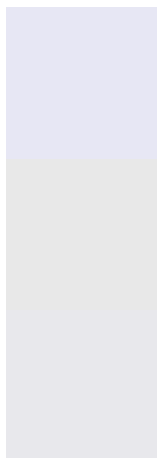
Deuteranomaly

80.4080, 0.3115, 0.3109

Tritanomaly

80.4648, 0.3035, 0.3116

Monochromacy



Original Color

80.6724, 0.3046, 0.3156

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.9252, 0.3102, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6724, 0.3046, 0.3156 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 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, 231, 244) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 80.6724, 0.3046, 0.3156 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, 244) }
```

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

```
.border{ border-color:rgb(231, 231, 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, 231, 244) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 80.6724, 0.3046, 0.3156 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, 244) }
```

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

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