

Converting Colors

Yxy(81.2469, 0.2970, 0.2895)

Have a look what the booklet for
Yxy(81.2469, 0.2970, 0.2895)
contains.

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Color

Yxy(80.6834, 0.3039, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	F0E3FF
RGB	240, 227, 255
RGB Percent	94%, 89%, 100%
CMY	0.0588, 0.1098, 0.0000
CMYK	0.06, 0.11, 0.00, 0.00
HSL	268°, 100%, 95%
HSV	268°, 11%, 100%
XYZ	81.4607, 80.6834, 105.9070
YIQ	234.0790, -1.2400, 11.4640

Conversions

Conversions Part 2

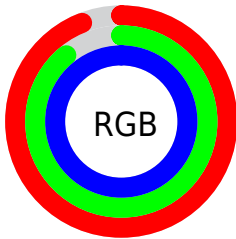
Format	Color
R _Y B	240, 227, 255
Decimal	15787007
CIE Lab	91.99, 9.46, -11.97
CIE LCh	92, 15.260, 308.332
Yxy	80.6834, 0.3039, 0.3010
Android (android.graphics.Color)	4293977087 (0xFFFF0E3FF)
YUV	234.0790, 10.3141, 5.1927
Hunter-Lab	89.8239, 4.6886, -7.0292

Details

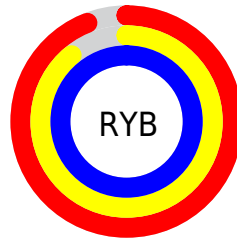
The Yxy color $80.6834, 0.3039, 0.3010$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.9400, 0.3208, 0.3569$, and the grayscale version is $82.2656, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.7726, 0.3021, 0.2958$ is the 20% darker color. If you saturate the color by 10%, you get $65.4547, 0.2945, 0.2733$, and if you desaturate by 10%, it is $98.1611, 0.3120, 0.3266$.

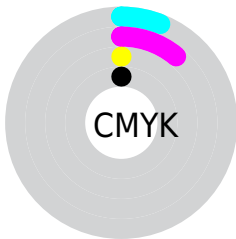
Distribution



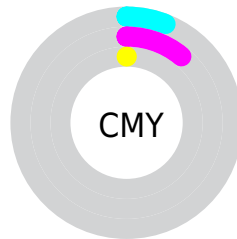
- Red (94%)
- Green (89%)
- Blue (100%)



- Red (94%)
- Yellow (89%)
- Blue (100%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6834, 0.3039, 0.3010 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 80.6834, 0.3039, 0.3010 by changing the saturation by 10% instead.


 80.6834, 0.3039,
0.3010

 80.6834, 0.3039,
0.3010


497.2330, 0.3080,
0.3135

 60.2809, 0.3030,
0.2983


134.3261, 0.3053,
0.3052

 43.6451, 0.3018,
0.2949

168.3351, 0.3059,
0.3069

 30.3916, 0.3004,
0.2908


207.6484, 0.3063,
0.3084

 20.1360, 0.2985,
0.2855

252.6504, 0.3068,
0.3097

 12.4939, 0.2959,
0.2785

303.7254, 0.3071,
0.3108

 7.0810, 0.2922,
0.2688

361.2580, 0.3074,

 3.5128, 0.2865,

0.3118

0.2547

425.6323, 0.3077,
0.3127

■ 1.4050, 0.2767,
0.2321

■ 0.2204, 0.2529,
0.1265

■ 80.6834, 0.3039,
0.3010

■ 80.6834, 0.3039,
0.3010

■ 65.4547, 0.2945,
0.2733

■ 98.1611, 0.3120,
0.3266

■ 52.3751, 0.2837,
0.2438

■ 100.0000, 0.3127,
0.3290

■ 41.3452, 0.2715,
0.2134

■ 32.2553, 0.2582,
0.1831

■ 24.9853, 0.2442,
0.1544

■ 19.4011, 0.2300,
0.1289

■ 15.3493, 0.2163,
0.1081

■ 12.6464, 0.2037,
0.0930

■ 11.1100, 0.1937,
0.0841

Harmonies

Analogous

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



80.6834, 0.2887, 0.2994



80.6834, 0.3039, 0.3010



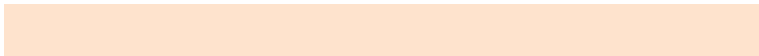
80.6834, 0.3219, 0.3095

Triad

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



80.6834, 0.3039, 0.3010



80.6834, 0.3465, 0.3516



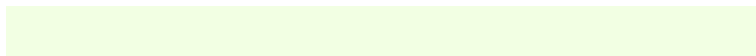
80.6834, 0.2880, 0.3346

Complementary

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



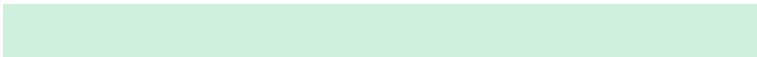
80.6834, 0.3039, 0.3010



95.9400, 0.3208, 0.3569

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.



80.6834, 0.3030, 0.3498



80.6834, 0.3039, 0.3010



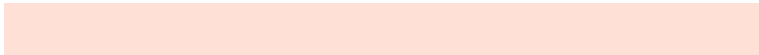
80.6834, 0.3368, 0.3595

Square

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



80.6834, 0.3039, 0.3010



80.6834, 0.3469, 0.3382



80.6834, 0.3208, 0.3590



80.6834, 0.2797, 0.3182

Rectangle

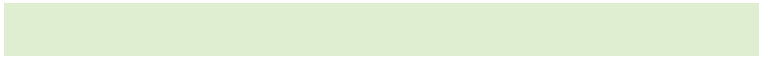
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6834, 0.3039, 0.3010



80.6834, 0.3331, 0.3181



80.6834, 0.3208, 0.3590



80.6834, 0.2924, 0.3400

Sweetspot

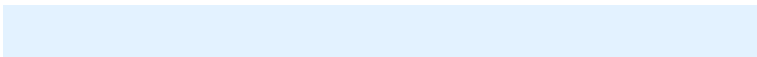
The Sweet Spot groups the original color and five complimentary colors.



80.6853, 0.3039, 0.3010



94.4477, 0.3105, 0.3216



87.2928, 0.2956, 0.3162



19.9056, 0.3098, 0.3196



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.



80.6853, 0.3039, 0.3010



77.4324, 0.3021, 0.2956



83.1526, 0.3130, 0.3018



17.7916, 0.3052, 0.3049



5.8920, 0.1954, 0.0850



0.6379, 0.2079, 0.0919

Inverse Universe

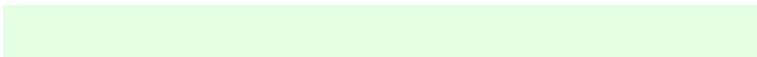
The Inverse Universe completely reimagines the original color for something new.



82.6069, 0.3224, 0.3143



79.6898, 0.3244, 0.3115



93.6252, 0.3122, 0.3576



18.1496, 0.3210, 0.3164



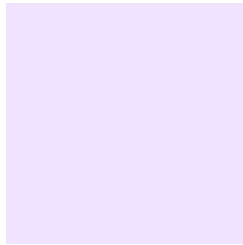
12.0749, 0.4815, 0.2426



1.1978, 0.4581, 0.2297

Previews

White Background



This preview shows how the Yxy color 80.6834, 0.3039, 0.3010 looks on a white background.

Color Contrast Check

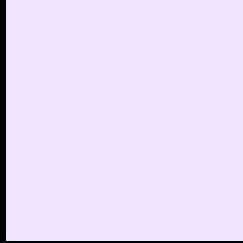
Large Text (above 18pt) WCAG AA × Fail

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 80.6834, 0.3039, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

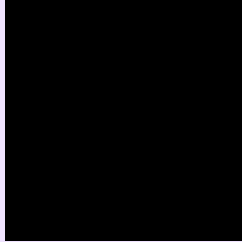
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

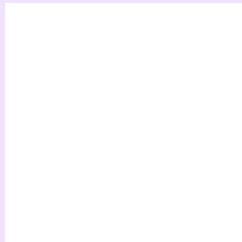
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6834, 0.3039, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 80.6834, 0.3039, 0.3010.

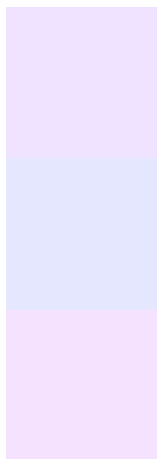


This preview shows how white text looks on a background with the Yxy color 80.6834, 0.3039, 0.3010.

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

80.6834, 0.3039, 0.3010

Protanopia

81.0298, 0.2967, 0.3046

Deuteranopia

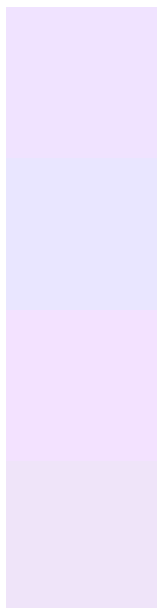
80.8458, 0.3066, 0.3002



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.6834, 0.3039, 0.3010

Protanomaly

81.1373, 0.2993, 0.3037

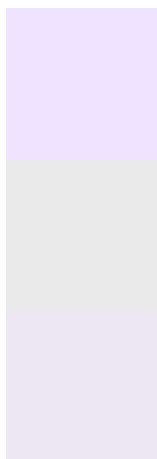
Deuteranomaly

80.6674, 0.3059, 0.3002

Tritanomaly

80.6771, 0.3069, 0.3078

Monochromacy



Original Color

80.6834, 0.3039, 0.3010

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.3955, 0.3092, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6834, 0.3039, 0.3010 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(240, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 227, 255)  
}
```

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(240, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.6834, 0.3039, 0.3010 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(240, 227, 255) }
```

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

```
.border{ border-color:rgb(240, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6834, 0.3039, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 227, 255) }
```

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

```
.background{ background-color: rgb(240,  
227, 255) }
```

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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