

Converting Colors

Yxy(80.4917, 0.3058, 0.3039)

Have a look what the booklet for
Yxy(80.4917, 0.3058, 0.3039)
contains.

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Color

Yxy(80.4917, 0.3058, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	F0E3FC
RGB	240, 227, 252
RGB Percent	94%, 89%, 99%
CMY	0.0585, 0.1099, 0.0117
CMYK	0.05, 0.10, 0.00, 0.01
HSL	271°, 81%, 94%
HSV	271°, 10%, 99%
XYZ	80.9949, 80.4917, 103.3758
YIQ	233.7370, -0.2770, 10.5310

Conversions

Conversions Part 2

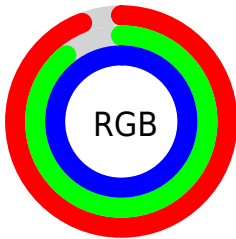
Format	Color
R _{YB}	240, 227, 252
Decimal	15787004
CIE Lab	91.91, 8.93, -10.53
CIE LCh	92, 13.802, 310.298
Yxy	80.4917, 0.3058, 0.3039
Android (android.graphics.Color)	4293977084 (0xFFFF0E3FC)
YUV	233.7370, 9.0037, 5.4927
Hunter-Lab	89.7172, 4.1413, -5.5144

Details

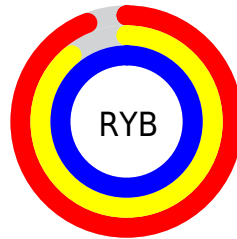
The Yxy color $80.4917, 0.3058, 0.3039$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $93.5139, 0.3191, 0.3542$, and the grayscale version is $82.0102, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.6355, 0.3045, 0.2994$ is the 20% darker color. If you saturate the color by 10%, you get $65.6691, 0.2976, 0.2766$, and if you desaturate by 10%, it is $97.4782, 0.3128, 0.3292$.

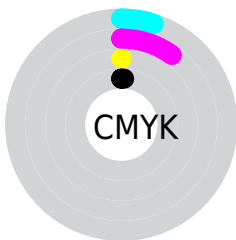
Distribution



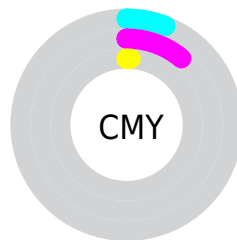
- Red (94%)
- Green (89%)
- Blue (99%)



- Red (94%)
- Yellow (89%)
- Blue (99%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (6%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4917, 0.3058, 0.3039 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 80.4917, 0.3058, 0.3039 by changing the saturation by 10% instead.


 80.4917, 0.3058,
0.3039

 80.4917, 0.3058,
0.3039


496.5884, 0.3090,
0.3151

 60.1231, 0.3051,
0.3014

134.0568, 0.3069,
0.3077

 43.5178, 0.3042,
0.2984


168.0221, 0.3074,
0.3092

 30.2916, 0.3030,
0.2947


207.2883, 0.3077,
0.3105

 20.0600, 0.3015,
0.2899

252.2400, 0.3081,
0.3117

 12.4387, 0.2994,
0.2835

303.2614, 0.3083,
0.3127

 7.0432, 0.2965,
0.2748

360.7370, 0.3086,

 3.4891, 0.2919,

0.3136

0.2618

425.0512, 0.3088,
0.3144

■ 1.3921, 0.2839,
0.2410

■ 0.2109, 0.2623,
0.1322

■ 80.4917, 0.3058,
0.3039

■ 80.4917, 0.3058,
0.3039

■ 65.6691, 0.2976,
0.2766

■ 97.4782, 0.3128,
0.3292

■ 52.9102, 0.2882,
0.2478

99.8093, 0.3144,
0.3318

■ 42.1219, 0.2775,
0.2181

■ 33.1999, 0.2658,
0.1886

■ 26.0300, 0.2533,
0.1606

■ 20.4848, 0.2404,
0.1357

■ 16.4191, 0.2277,
0.1153

■ 13.6601, 0.2158,
0.1002

■ 11.9281, 0.2051,
0.0904

Harmonies

Analogous

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



80.4917, 0.2917, 0.3020



80.4917, 0.3058, 0.3039



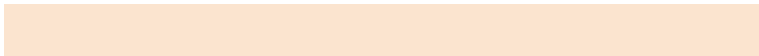
80.4917, 0.3221, 0.3120

Triad

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



80.4917, 0.3058, 0.3039



80.4917, 0.3429, 0.3502



80.4917, 0.2896, 0.3331

Complementary

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



80.4917, 0.3058, 0.3039



93.5139, 0.3191, 0.3542

Split Complementary

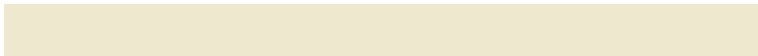
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4917, 0.3029, 0.3470



80.4917, 0.3058, 0.3039



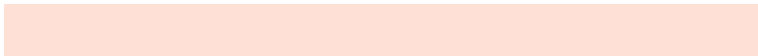
80.4917, 0.3337, 0.3568

Square

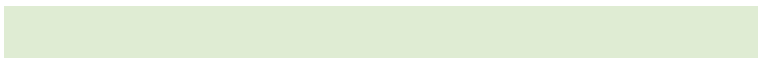
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4917, 0.3058, 0.3039



80.4917, 0.3439, 0.3383



80.4917, 0.3190, 0.3557



80.4917, 0.2826, 0.3184

Rectangle

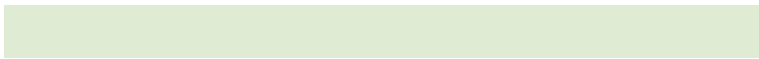
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4917, 0.3058, 0.3039



80.4917, 0.3320, 0.3200



80.4917, 0.3190, 0.3557



80.4917, 0.2935, 0.3380

Sweetspot

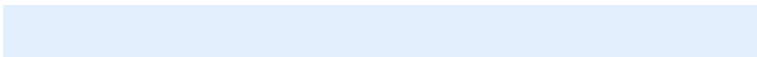
The Sweet Spot groups the original color and five complimentary colors.



80.4951, 0.3058, 0.3039



94.5302, 0.3107, 0.3216



85.1379, 0.2972, 0.3158



19.9279, 0.3102, 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.



80.4951, 0.3058, 0.3039



79.3423, 0.3042, 0.2984



82.6292, 0.3141, 0.3049



17.0896, 0.3061, 0.3051



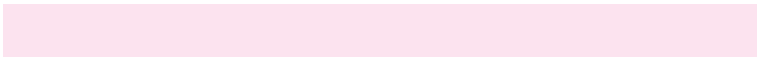
6.2958, 0.2067, 0.0912



0.6462, 0.2193, 0.0982

Inverse Universe

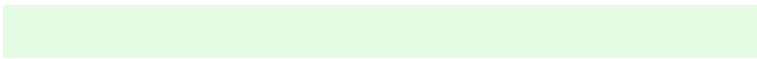
The Inverse Universe completely reimagines the original color for something new.



81.8538, 0.3223, 0.3172



81.0184, 0.3246, 0.3146



91.5272, 0.3113, 0.3543



17.3631, 0.3219, 0.3177



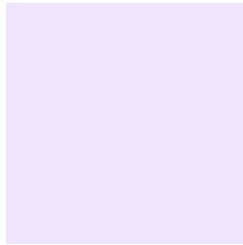
11.5190, 0.5060, 0.2561



1.0881, 0.4781, 0.2407

Previews

White Background



This preview shows how the Yxy color 80.4917, 0.3058, 0.3039 looks on a white background.

Color Contrast Check

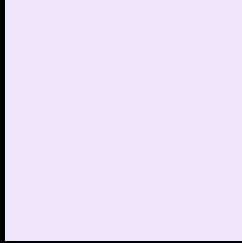
Large Text (above 18pt) WCAG AA × Fail

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 80.4917, 0.3058, 0.3039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

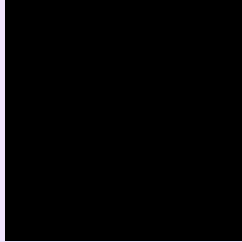
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4917, 0.3058, 0.3039

Background



This preview shows how black text looks on a background with the Yxy color 80.4917, 0.3058, 0.3039.

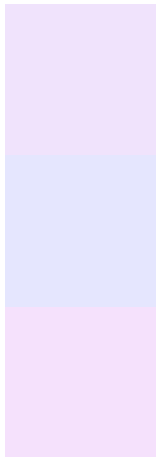


This preview shows how white text looks on a background with the Yxy color 80.4917, 0.3058, 0.3039.

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

80.4917, 0.3058, 0.3039

Protanopia

80.4074, 0.2973, 0.3045

Deuteranopia

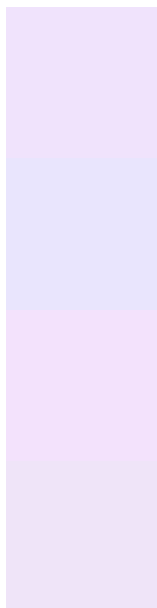
80.2912, 0.3092, 0.3022



Tritanopia

80.4913, 0.3088, 0.3108

Trichromacy



Original Color

80.4917, 0.3058, 0.3039

Protanomaly

80.4541, 0.3005, 0.3047

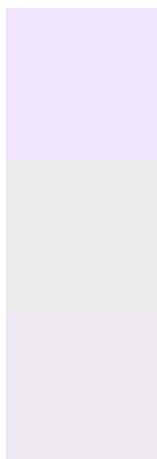
Deuteranomaly

80.4757, 0.3078, 0.3031

Tritanomaly

80.6148, 0.3076, 0.3088

Monochromacy



Original Color

80.4917, 0.3058, 0.3039

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.3356, 0.3098, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4917, 0.3058, 0.3039 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(240, 227, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 227, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.4917, 0.3058, 0.3039 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, 252) }
```

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

```
.border{ border-color:rgb(240, 227, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(240, 227,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4917, 0.3058, 0.3039 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, 252) }
```

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

```
.background{ background-color: rgb(240,  
227, 252) }
```

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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