

Converting Colors

$Yxy(80.5252, 0.3037, 0.3048)$

Have a look what the booklet for
Yxy(80.5252, 0.3037, 0.3048)
contains.

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Color

Yxy(80.5196, 0.3037, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	EDE4FC
RGB	237, 228, 252
RGB Percent	93%, 89%, 99%
CMY	0.0708, 0.1058, 0.0117
CMYK	0.06, 0.10, 0.00, 0.01
HSL	262°, 80%, 94%
HSV	262°, 10%, 99%
XYZ	80.2290, 80.5196, 103.4233
YIQ	233.4270, -2.3400, 9.3720

Conversions

Conversions Part 2

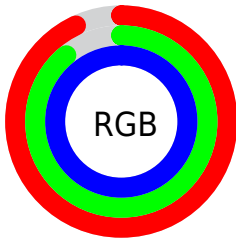
Format	Color
R _Y B	237, 228, 252
Decimal	15590652
CIE Lab	91.92, 7.37, -10.54
CIE LCh	92, 12.859, 304.989
Yxy	80.5196, 0.3037, 0.3048
Android (android.graphics.Color)	4293780732 (0xFFE4FC)
YUV	233.4270, 9.1565, 3.1335
Hunter-Lab	89.7327, 2.5626, -5.5230

Details

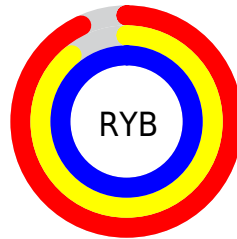
The Yxy color $80.5196, 0.3037, 0.3048$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.3052, 0.3211, 0.3529$, and the grayscale version is $81.7532, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.6510, 0.3019, 0.3005$ is the 20% darker color. If you saturate the color by 10%, you get $65.0477, 0.2927, 0.2770$, and if you desaturate by 10%, it is $98.2598, 0.3131, 0.3302$.

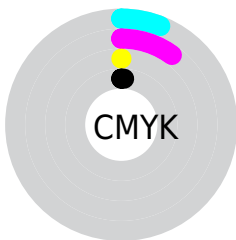
Distribution



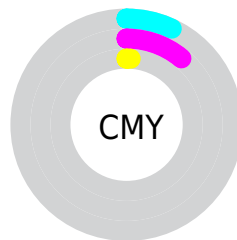
- Red (93%)
- Green (89%)
- Blue (99%)



- Red (93%)
- Yellow (89%)
- Blue (99%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)





- Cyan (7%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5196, 0.3037, 0.3048 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 80.5196, 0.3037, 0.3048 by changing the saturation by 10% instead.


 80.5196, 0.3037,
0.3048

 80.5196, 0.3037,
0.3048


496.6822, 0.3079,
0.3156

 60.1460, 0.3028,
0.3024


134.0960, 0.3051,
0.3085

 43.5363, 0.3016,
0.2995

168.0676, 0.3057,
0.3099

 30.3062, 0.3001,
0.2959


207.3408, 0.3062,
0.3112

 20.0711, 0.2982,
0.2912

252.2997, 0.3066,
0.3123

 12.4467, 0.2956,
0.2850

303.3290, 0.3070,
0.3133

 7.0487, 0.2920,
0.2765

360.8129, 0.3073,

 3.4926, 0.2863,

0.3142

0.2639

425.1358, 0.3076,
0.3149

■ 1.3940, 0.2766,
0.2434

■ 0.2123, 0.2445,
0.1359

■ 80.5196, 0.3037,
0.3048

■ 80.5196, 0.3037,
0.3048

■ 65.0477, 0.2927,
0.2770

■ 98.2598, 0.3131,
0.3302

■ 51.7405, 0.2802,
0.2471

■ 99.8095, 0.3144,
0.3318

■ 40.5017, 0.2662,
0.2157

■ 31.2233, 0.2509,
0.1840

■ 23.7875, 0.2349,
0.1535

■ 18.0632, 0.2188,
0.1260

■ 13.9014, 0.2036,
0.1032

■ 11.1258, 0.1901,
0.0866

■ 9.4649, 0.1788,
0.0760

Harmonies

Analogous

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



80.5196, 0.2913, 0.3042



80.5196, 0.3037, 0.3048



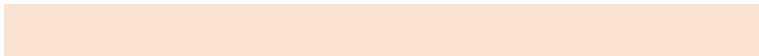
80.5196, 0.3188, 0.3114

Triad

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



80.5196, 0.3037, 0.3048



80.5196, 0.3416, 0.3471



80.5196, 0.2931, 0.3353

Complementary

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



80.5196, 0.3037, 0.3048



94.3052, 0.3211, 0.3529

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.



80.5196, 0.3062, 0.3476



80.5196, 0.3037, 0.3048



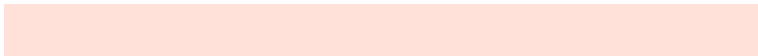
80.5196, 0.3343, 0.3543

Square

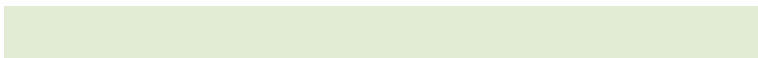
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5196, 0.3037, 0.3048



80.5196, 0.3410, 0.3355



80.5196, 0.3213, 0.3546



80.5196, 0.2852, 0.3215

Rectangle

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



80.5196, 0.3037, 0.3048



80.5196, 0.3284, 0.3185



80.5196, 0.3213, 0.3546



80.5196, 0.2970, 0.3398

Sweetspot

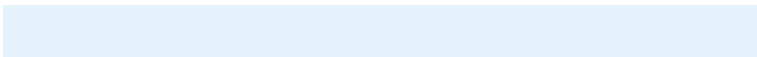
The Sweet Spot groups the original color and five complimentary colors.



80.5230, 0.3037, 0.3048



94.3163, 0.3100, 0.3216



87.7589, 0.2979, 0.3201



19.8702, 0.3093, 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.



80.5230, 0.3037, 0.3048



80.2027, 0.3022, 0.3008



82.6332, 0.3117, 0.3054



16.9576, 0.3037, 0.3049



4.9720, 0.1800, 0.0765



0.5186, 0.1931, 0.0837

Inverse Universe

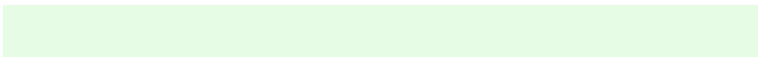
The Inverse Universe completely reimagines the original color for something new.



82.6725, 0.3196, 0.3142



82.7365, 0.3207, 0.3118



92.2606, 0.3136, 0.3535



17.4086, 0.3195, 0.3142



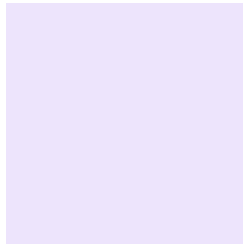
12.0995, 0.4430, 0.2214



1.1411, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 80.5196, 0.3037, 0.3048 looks on a white background.

Color Contrast Check

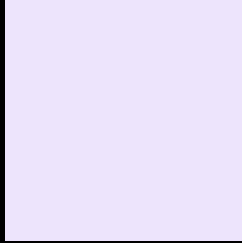
Large Text (above 18pt) WCAG AA × Fail

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 80.5196, 0.3037, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

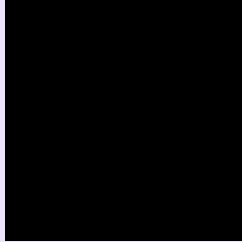
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

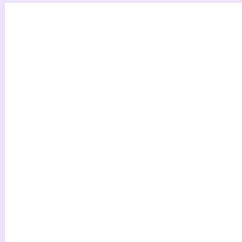
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5196, 0.3037, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 80.5196, 0.3037, 0.3048.

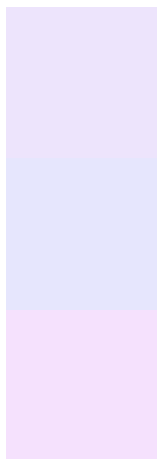


This preview shows how white text looks on a background with the Yxy color 80.5196, 0.3037, 0.3048.

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

80.5196, 0.3037, 0.3048

Protanopia

80.5085, 0.2985, 0.3055

Deuteranopia

80.3548, 0.3086, 0.3012



Tritanopia

80.5869, 0.3061, 0.3107

Trichromacy



Original Color

80.5196, 0.3037, 0.3048

Protanomaly

80.4541, 0.3005, 0.3047

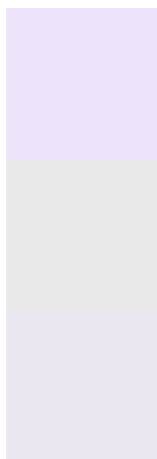
Deuteranomaly

80.3618, 0.3065, 0.3021

Tritanomaly

80.7110, 0.3049, 0.3087

Monochromacy



Original Color

80.5196, 0.3037, 0.3048

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.9355, 0.3091, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5196, 0.3037, 0.3048 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(237, 228, 252)` looks like.

```
.text, #text, p{  
    color:rgb(237, 228, 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(237, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 228, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.5196, 0.3037, 0.3048 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(237, 228, 252) }
```

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

```
.border{ border-color:rgb(237, 228, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 228, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(237, 228,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5196, 0.3037, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 228, 252) }
```

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

```
.background{ background-color: rgb(237,  
228, 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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