

Converting Colors

$Y_{xy}(80.5035, 0.3063, 0.3078)$

Have a look what the booklet for
Yxy(80.5035, 0.3063, 0.3078)
contains.

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Color

Yxy(80.5035, 0.3063, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	EEE4F9
RGB	238, 228, 249
RGB Percent	93%, 89%, 98%
CMY	0.0665, 0.1059, 0.0236
CMYK	0.04, 0.08, 0.00, 0.02
HSL	269°, 64%, 94%
HSV	269°, 8%, 98%
XYZ	80.1112, 80.5035, 100.9302
YIQ	233.3840, -0.7810, 8.6510

Conversions

Conversions Part 2

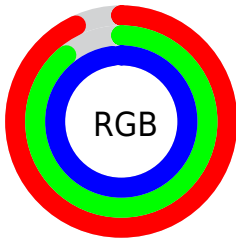
Format	Color
R _Y B	238, 228, 249
Decimal	15656185
CIE Lab	91.91, 7.17, -8.95
CIE LCh	92, 11.474, 308.697
Yxy	80.5035, 0.3063, 0.3078
Android (android.graphics.Color)	4293846265 (0xFFEEE4F9)
YUV	233.3840, 7.6987, 4.0482
Hunter-Lab	89.7237, 2.3598, -3.8886

Details

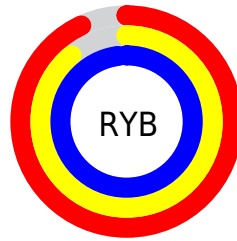
The Yxy color **80.5035, 0.3063, 0.3078** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.6872, 0.3187, 0.3502**, and the grayscale version is **81.7368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6825, 0.3043, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **65.6130, 0.2975, 0.2807**, and if you desaturate by 10%, it is **97.5357, 0.3138, 0.3328**.

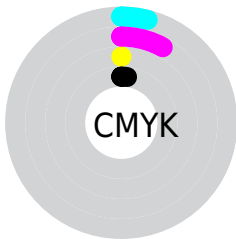
Distribution



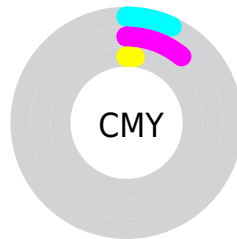
- Red (93%)
- Green (89%)
- Blue (98%)



- Red (93%)
- Yellow (89%)
- Blue (98%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (7%)
- Magenta (11%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5035, 0.3063, 0.3078 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 80.5035, 0.3063, 0.3078 by changing the saturation by 10% instead.


 80.5035, 0.3063,
0.3078

 80.5035, 0.3063,
0.3078

496.6280, 0.3093,
0.3173

 60.1328, 0.3056,
0.3057

134.0734, 0.3073,
0.3110

 43.5257, 0.3048,
0.3031

168.0414, 0.3077,
0.3123

 30.2978, 0.3037,
0.2999


207.3105, 0.3081,
0.3134

 20.0647, 0.3024,
0.2958

252.2652, 0.3084,
0.3144

 12.4421, 0.3005,
0.2904

303.2900, 0.3086,
0.3153

 7.0455, 0.2978,
0.2828

360.7691, 0.3089,

 3.4906, 0.2937,

0.3160

0.2716

425.0870, 0.3091,
0.3167

■ 1.3929, 0.2865,
0.2533

■ 0.2115, 0.2605,
0.1465

■ 80.5035, 0.3063,
0.3078

■ 80.5035, 0.3063,
0.3078

■ 65.6130, 0.2975,
0.2807

■ 97.5357, 0.3138,
0.3328

■ 52.7665, 0.2873,
0.2517

■ 99.6190, 0.3162,
0.3347

■ 41.8741, 0.2758,
0.2216

■ 32.8348, 0.2632,
0.1914

■ 25.5384, 0.2496,
0.1624

■ 19.8626, 0.2357,
0.1361

■ 15.6683, 0.2221,
0.1142

■ 12.7918, 0.2094,
0.0978

■ 11.0036, 0.1981,
0.0870

Harmonies

Analogous

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



80.5035, 0.2947, 0.3066



80.5035, 0.3063, 0.3078



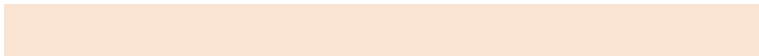
80.5035, 0.3199, 0.3143

Triad

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



80.5035, 0.3063, 0.3078



80.5035, 0.3380, 0.3463



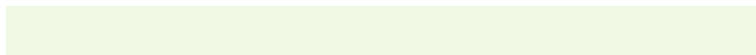
80.5035, 0.2940, 0.3331

Complementary

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



80.5035, 0.3063, 0.3078



91.6872, 0.3187, 0.3502

Split Complementary

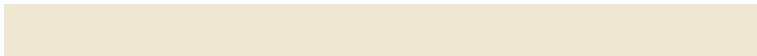
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5035, 0.3053, 0.3444



80.5035, 0.3063, 0.3078



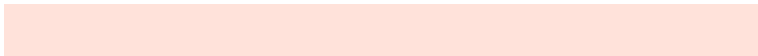
80.5035, 0.3308, 0.3519

Square

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



80.5035, 0.3063, 0.3078



80.5035, 0.3384, 0.3362



80.5035, 0.3187, 0.3513



80.5035, 0.2877, 0.3209

Rectangle

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



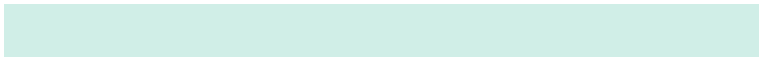
80.5035, 0.3063, 0.3078



80.5035, 0.3282, 0.3209



80.5035, 0.3187, 0.3513



80.5035, 0.2973, 0.3371

Sweetspot

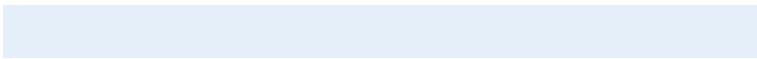
The Sweet Spot groups the original color and five complimentary colors.



80.5069, 0.3063, 0.3078



94.4672, 0.3105, 0.3216



85.1775, 0.2996, 0.3190



19.9109, 0.3099, 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.



80.5069, 0.3063, 0.3078



82.3608, 0.3050, 0.3037



82.3320, 0.3132, 0.3083



17.0505, 0.3054, 0.3050



5.8506, 0.1981, 0.0865



0.6046, 0.2111, 0.0937

Inverse Universe

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



81.8499, 0.3202, 0.3181



84.0344, 0.3217, 0.3160



89.9544, 0.3121, 0.3506



17.3764, 0.3212, 0.3167



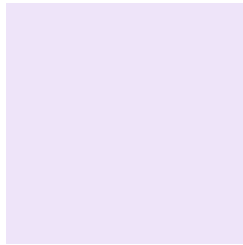
11.6696, 0.4872, 0.2457



1.1022, 0.4618, 0.2318

Previews

White Background



This preview shows how the Yxy color 80.5035, 0.3063, 0.3078 looks on a white background.

Color Contrast Check

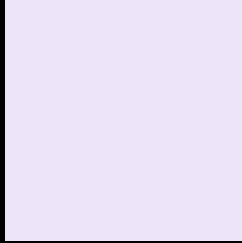
Large Text (above 18pt) WCAG AA × Fail

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 80.5035, 0.3063, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

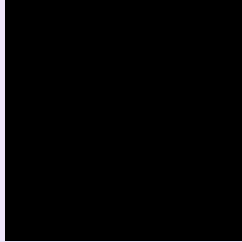
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

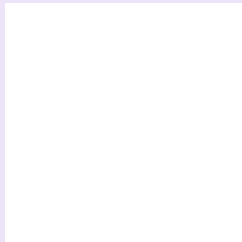
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5035, 0.3063, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 80.5035, 0.3063, 0.3078.

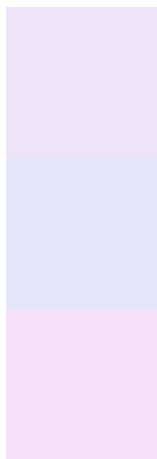


This preview shows how white text looks on a background with the Yxy color 80.5035, 0.3063, 0.3078.

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

80.5035, 0.3063, 0.3078

Protanopia

80.3188, 0.3003, 0.3085

Deuteranopia

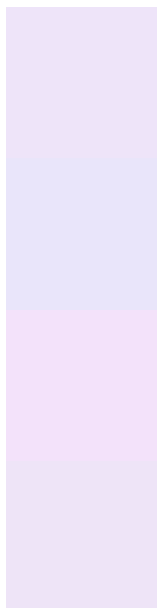
80.3454, 0.3111, 0.3042



Tritanopia

80.3178, 0.3081, 0.3108

Trichromacy



Original Color

80.5035, 0.3063, 0.3078

Protanomaly

80.2644, 0.3023, 0.3076

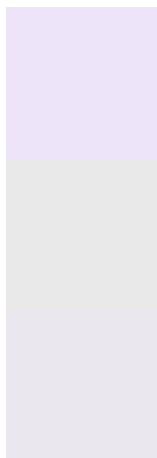
Deuteranomaly

80.3495, 0.3091, 0.3050

Tritanomaly

80.3793, 0.3075, 0.3098

Monochromacy



Original Color

80.5035, 0.3063, 0.3078

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0460, 0.3104, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5035, 0.3063, 0.3078 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(238, 228, 249)` looks like.

```
.text, #text, p{  
    color:rgb(238, 228, 249)  
}
```

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(238, 228, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 228, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.5035, 0.3063, 0.3078 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(238, 228, 249) }
```

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

```
.border{ border-color:rgb(238, 228, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 228, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 228, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 228, 249);  
box-shadow:4px 4px 4px 4px rgb(238, 228,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5035, 0.3063, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 228, 249) }
```

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

```
.background{ background-color: rgb(238,  
228, 249) }
```

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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