

Converting Colors

$Y_{xy}(81.8302, 0.3080, 0.3085)$

Have a look what the booklet for
Yxy(81.8302, 0.3080, 0.3085)
contains.

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Color

Yxy(81.6415, 0.3076, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	F1E5FA
RGB	241, 229, 250
RGB Percent	95%, 90%, 98%
CMY	0.0551, 0.1019, 0.0197
CMYK	0.04, 0.08, 0.00, 0.02
HSL	274°, 68%, 94%
HSV	274°, 8%, 98%
XYZ	81.5355, 81.6415, 101.8928
YIQ	234.9820, 0.4110, 9.0750

Conversions

Conversions Part 2

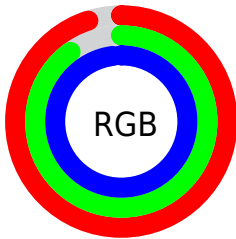
Format	Color
R _Y B	241, 229, 250
Decimal	15853050
CIE Lab	92.42, 7.77, -8.70
CIE LCh	92, 11.668, 311.784
Yxy	81.6415, 0.3076, 0.3080
Android (android.graphics.Color)	4294043130 (0xFFFF1E5FA)
YUV	234.9820, 7.4039, 5.2778
Hunter-Lab	90.3557, 2.9530, -3.6115

Details

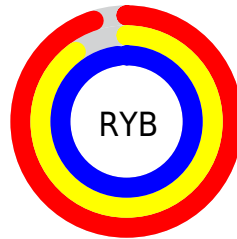
The Yxy color **81.6415, 0.3076, 0.3080** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.2105, 0.3175, 0.3501**, and the grayscale version is **83.0030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4814, 0.3061, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **66.9503, 0.3005, 0.2812**, and if you desaturate by 10%, it is **98.4438, 0.3136, 0.3329**.

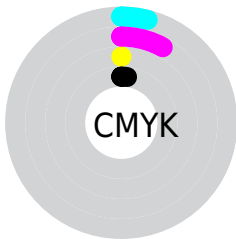
Distribution



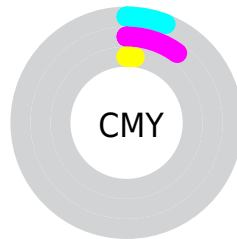
- Red (95%)
- Green (90%)
- Blue (98%)



- Red (95%)
- Yellow (90%)
- Blue (98%)



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





- Cyan (6%)
- Magenta (10%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6415, 0.3076, 0.3080 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 81.6415, 0.3076, 0.3080 by changing the saturation by 10% instead.

 81.6415, 0.3076,
0.3080

 81.6415, 0.3076,
0.3080


500.4477, 0.3100,
0.3174

 61.0701, 0.3071,
0.3059


135.6711, 0.3084,
0.3112

 44.2817, 0.3064,
0.3034


169.8982, 0.3087,
0.3125

 30.8920, 0.3055,
0.3003

209.4458, 0.3090,
0.3136

 20.5167, 0.3044,
0.2962

254.6985, 0.3093,
0.3145

 12.7712, 0.3029,
0.2909

306.0407, 0.3095,
0.3154

 7.2712, 0.3008,
0.2836

363.8567, 0.3097,

 3.6323, 0.2974,

0.3161

0.2727

428.5309, 0.3098,
0.3168

■ 1.4701, 0.2915,
0.2550

■ 0.2675, 0.2756,
0.1660

■ 81.6415, 0.3076,
0.3080

■ 81.6415, 0.3076,
0.3080

■ 66.9503, 0.3005,
0.2812

■ 98.4438, 0.3136,
0.3329

■ 54.2733, 0.2922,
0.2529

■ 99.6814, 0.3156,
0.3338

■ 43.5210, 0.2828,
0.2238

■ 34.5932, 0.2724,
0.1949

■ 27.3804, 0.2612,
0.1674

■ 21.7609, 0.2495,
0.1428

■ 17.5963, 0.2378,
0.1223

■ 14.7234, 0.2266,
0.1071

■ 12.9138, 0.2163,
0.0970

Harmonies

Analogous

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



81.6415, 0.2955, 0.3062



81.6415, 0.3076, 0.3080



81.6415, 0.3213, 0.3151

Triad

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



81.6415, 0.3076, 0.3080



81.6415, 0.3379, 0.3473



81.6415, 0.2928, 0.3318

Complementary

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



81.6415, 0.3076, 0.3080



92.2105, 0.3175, 0.3501

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.



81.6415, 0.3039, 0.3436



81.6415, 0.3076, 0.3080



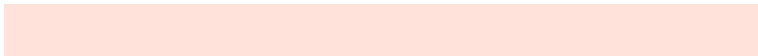
81.6415, 0.3299, 0.3525

Square

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



81.6415, 0.3076, 0.3080



81.6415, 0.3390, 0.3375



81.6415, 0.3174, 0.3512



81.6415, 0.2871, 0.3196

Rectangle

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



81.6415, 0.3076, 0.3080



81.6415, 0.3295, 0.3220



81.6415, 0.3174, 0.3512



81.6415, 0.2960, 0.3360

Sweetspot

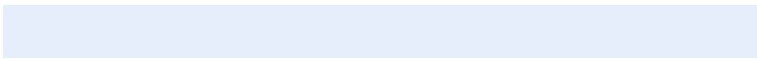
The Sweet Spot groups the original color and five complimentary colors.



81.6450, 0.3076, 0.3080



94.5956, 0.3110, 0.3216



84.7755, 0.2997, 0.3169



19.9456, 0.3105, 0.3197



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.



81.6450, 0.3076, 0.3080



82.7699, 0.3065, 0.3038



83.1876, 0.3146, 0.3098



17.1303, 0.3069, 0.3051



6.8084, 0.2163, 0.0965



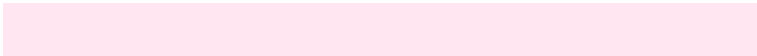
0.6932, 0.2282, 0.1031

Inverse Universe

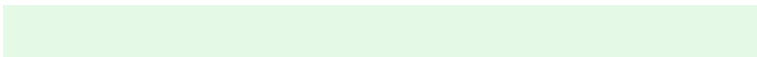
The Inverse Universe completely reimagines the original color for something new.



82.5502, 0.3213, 0.3200



83.8964, 0.3232, 0.3182



90.7628, 0.3109, 0.3490



17.3495, 0.3226, 0.3188



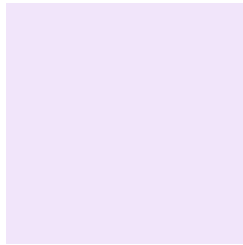
11.3799, 0.5253, 0.2668



1.0748, 0.4951, 0.2501

Previews

White Background



This preview shows how the Yxy color 81.6415, 0.3076, 0.3080 looks on a white background.

Color Contrast Check

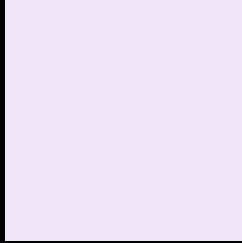
Large Text (above 18pt) WCAG AA × Fail

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 81.6415, 0.3076, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

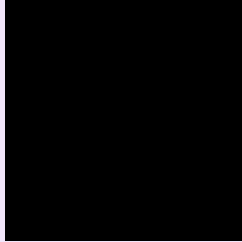
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

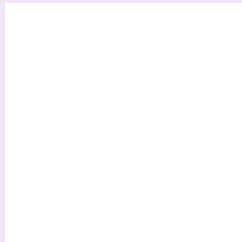
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6415, 0.3076, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 81.6415, 0.3076, 0.3080.

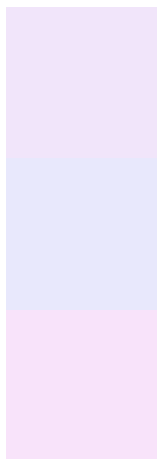


This preview shows how white text looks on a background with the Yxy color 81.6415, 0.3076, 0.3080.

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

81.6415, 0.3076, 0.3080

Protanopia

81.8973, 0.3004, 0.3087

Deuteranopia

81.7968, 0.3124, 0.3063



Tritanopia

81.5167, 0.3089, 0.3099

Trichromacy



Original Color

81.6415, 0.3076, 0.3080

Protanomaly

81.7790, 0.3030, 0.3088

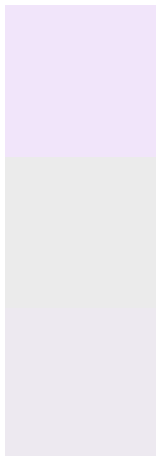
Deuteranomaly

81.8014, 0.3103, 0.3071

Tritanomaly

81.5789, 0.3082, 0.3090

Monochromacy



Original Color

81.6415, 0.3076, 0.3080

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.5736, 0.3110, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6415, 0.3076, 0.3080 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(241, 229, 250)` looks like.

```
.text, #text, p{  
    color:rgb(241, 229, 250)  
}
```

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(241, 229, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 229, 250) }
```

Border

The CSS property to change the border of an element to Yxy 81.6415, 0.3076, 0.3080 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(241, 229, 250) }
```

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

```
.border{ border-color:rgb(241, 229, 250) }
```

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

Here you see how a box with a 4 pixel rgb(241, 229, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 229, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 229, 250);  
box-shadow:4px 4px 4px 4px rgb(241, 229,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6415, 0.3076, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 229, 250) }
```

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

```
.background{ background-color: rgb(241,  
229, 250) }
```

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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