

Converting Colors

$Y_{xy}(80.0578, 0.3147, 0.3000)$

Have a look what the booklet for
Yxy(80.0578, 0.3147, 0.3000)
contains.

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Color

Yxy(80.1535, 0.3148, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	FDDEFC
RGB	253, 222, 252
RGB Percent	99%, 87%, 99%
CMY	0.0079, 0.1294, 0.0119
CMYK	0.00, 0.12, 0.00, 0.01
HSL	302°, 89%, 93%
HSV	302°, 12%, 99%
XYZ	84.1919, 80.1535, 103.1003
YIQ	234.6890, 8.8460, 15.9020

Conversions

Conversions Part 2

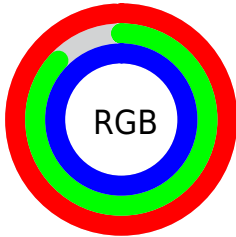
Format	Color
RYB	253, 222, 252
Decimal	16637692
CIELab	91.75, 15.74, -10.61
CIELCh	92, 18.980, 326.003
Yxy	80.1535, 0.3148, 0.2997
Android (android.graphics.Color)	4294827772 (0xFFFDDEFC)
YUV	234.6890, 8.5343, 16.0587
Hunter-Lab	89.5285, 11.1852, -5.6080

Details

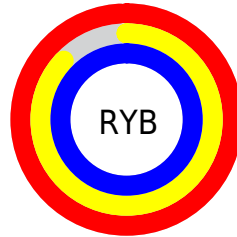
The Yxy color $80.1535, 0.3148, 0.2997$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.1047, 0.3106, 0.3602$, and the grayscale version is $82.7583, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.3133, 0.3153, 0.2941$ is the 20% darker color. If you saturate the color by 10%, you get $67.6574, 0.3166, 0.2752$, and if you desaturate by 10%, it is $94.6731, 0.3131, 0.3237$.

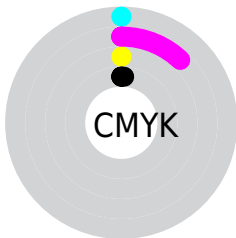
Distribution



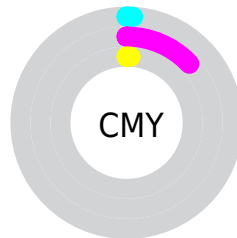
- Red (99%)
- Green (87%)
- Blue (99%)



- Red (99%)
- Yellow (87%)
- Blue (99%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)





- Cyan (1%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1535, 0.3148, 0.2997 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 80.1535, 0.3148, 0.2997 by changing the saturation by 10% instead.


 80.1535, 0.3148,
0.2997

 80.1535, 0.3148,
0.2997


495.4500, 0.3140,
0.3127

 59.8447, 0.3150,
0.2968


133.5815, 0.3145,
0.3041

 43.2935, 0.3151,
0.2934


167.4695, 0.3144,
0.3059

 30.1154, 0.3153,
0.2891


206.6527, 0.3143,
0.3074

 19.9262, 0.3155,
0.2836

251.5154, 0.3143,
0.3087

 12.3414, 0.3158,
0.2764

302.4421, 0.3142,
0.3099

 6.9766, 0.3160,
0.2665

359.8172, 0.3141,

 3.4475, 0.3161,

0.3109

0.2521

424.0250, 0.3141,
0.3119

■ 1.3696, 0.3156,
0.2292

■ 0.1941, 0.3314,
0.1131

■ 80.1535, 0.3148,
0.2997

■ 80.1535, 0.3148,
0.2997

■ 67.6574, 0.3166,
0.2752

■ 94.6731, 0.3131,
0.3237

■ 57.0849, 0.3186,
0.2510

■ 99.5328, 0.3123,
0.3303

■ 48.3432, 0.3205,
0.2280

■ 99.5863, 0.3118,
0.3295

■ 41.3278, 0.3225,
0.2071

■ 99.6204, 0.3115,
0.3290

■ 35.9236, 0.3243,
0.1893

■ 32.0015, 0.3260,
0.1754

■ 29.4129, 0.3274,
0.1658

■ 27.9780, 0.3287,
0.1606

■ 27.4513, 0.3295,
0.1589

Harmonies

Analogous

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



80.1535, 0.2932, 0.2924



80.1535, 0.3148, 0.2997



80.1535, 0.3366, 0.3141

Triad

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



80.1535, 0.3148, 0.2997



80.1535, 0.3489, 0.3640



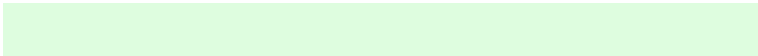
80.1535, 0.2748, 0.3235

Complementary

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



80.1535, 0.3148, 0.2997



91.1047, 0.3106, 0.3602

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.



80.1535, 0.2888, 0.3443



80.1535, 0.3148, 0.2997



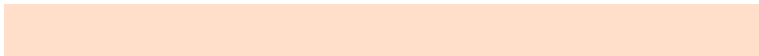
80.1535, 0.3315, 0.3682

Square

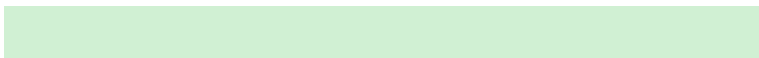
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



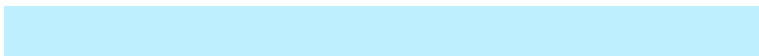
80.1535, 0.3148, 0.2997



80.1535, 0.3566, 0.3506



80.1535, 0.3094, 0.3610



80.1535, 0.2707, 0.3052

Rectangle

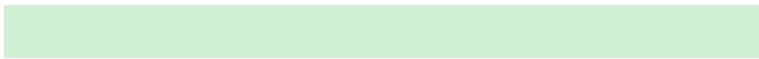
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1535, 0.3148, 0.2997



80.1535, 0.3480, 0.3261



80.1535, 0.3094, 0.3610



80.1535, 0.2785, 0.3304

Sweetspot

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



80.1570, 0.3148, 0.2997



93.6422, 0.3134, 0.3196



74.9551, 0.2935, 0.2968



19.7955, 0.3135, 0.3178



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.



80.1570, 0.3148, 0.2997



77.8959, 0.3153, 0.2930



79.2444, 0.3247, 0.3142



18.2894, 0.3143, 0.3063



14.6092, 0.3293, 0.1588



1.4256, 0.3283, 0.1582

Inverse Universe

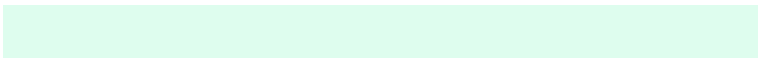
The Inverse Universe completely reimagines the original color for something new.



80.1570, 0.3148, 0.2997



77.8959, 0.3153, 0.2930



91.9491, 0.3022, 0.3443



18.2894, 0.3143, 0.3063



14.6092, 0.3293, 0.1588



1.4256, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 80.1535, 0.3148, 0.2997 looks on a white background.

Color Contrast Check

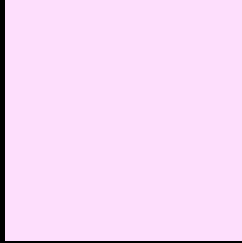
Large Text (above 18pt) WCAG AA × Fail

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 80.1535, 0.3148, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

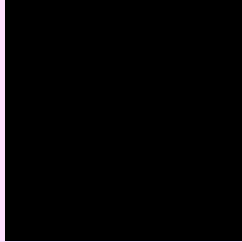
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1535, 0.3148, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 80.1535, 0.3148, 0.2997.

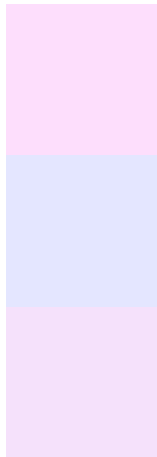


This preview shows how white text looks on a background with the Yxy color 80.1535, 0.3148, 0.2997.

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

80.1535, 0.3148, 0.2997

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.2279, 0.3098, 0.3031



Tritanopia

80.1714, 0.3205, 0.3121

Trichromacy



Original Color

80.1535, 0.3148, 0.2997

Protanomaly

80.0985, 0.3025, 0.3018

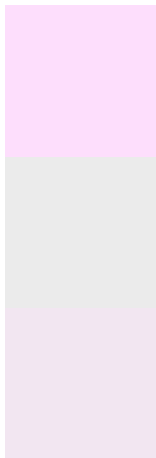
Deuteranomaly

80.2328, 0.3119, 0.3023

Tritanomaly

80.0634, 0.3186, 0.3073

Monochromacy



Original Color

80.1535, 0.3148, 0.2997

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.8217, 0.3139, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1535, 0.3148, 0.2997 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(253, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(253, 222, 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(253, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 222, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.1535, 0.3148, 0.2997 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(253, 222, 252) }
```

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

```
.border{ border-color:rgb(253, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(253, 222,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1535, 0.3148, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 222, 252) }
```

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

```
.background{ background-color: rgb(253,  
222, 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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