

Converting Colors

$Y_{xy}(80.0210, 0.3119, 0.2966)$

Have a look what the booklet for
Yxy(80.0210, 0.3119, 0.2966)
contains.

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Color

Yxy(80.1580, 0.3122, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	FCDEFF
RGB	252, 222, 255
RGB Percent	99%, 87%, 100%
CMY	0.0117, 0.1294, 0.0002
CMYK	0.01, 0.13, 0.00, 0.00
HSL	295°, 100%, 94%
HSV	295°, 13%, 100%
XYZ	84.3171, 80.1580, 105.5990
YIQ	234.7320, 7.2870, 16.6230

Conversions

Conversions Part 2

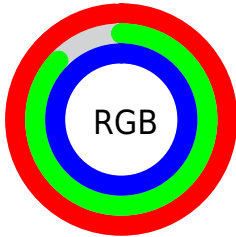
Format	Color
RYB	252, 222, 255
Decimal	16572159
CIELab	91.76, 15.96, -12.18
CIELCh	92, 20.082, 322.652
Yxy	80.1580, 0.3122, 0.2968
Android (android.graphics.Color)	4294762239 (0xFFFCDEFF)
YUV	234.7320, 9.9921, 15.1440
Hunter-Lab	89.5310, 11.4258, -7.2590

Details

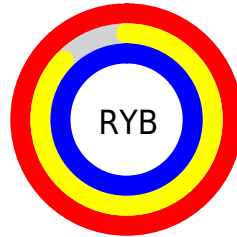
The Yxy color **80.1580, 0.3122, 0.2968** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.7641, 0.3129, 0.3630**, and the grayscale version is **82.7848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3168, 0.3118, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **67.2055, 0.3115, 0.2711**, and if you desaturate by 10%, it is **95.1703, 0.3126, 0.3219**.

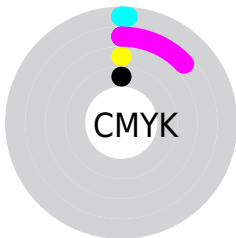
Distribution



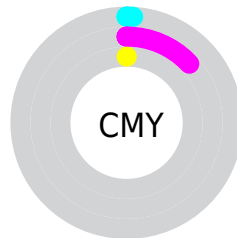
- Red (99%)
- Green (87%)
- Blue (100%)



- Red (99%)
- Yellow (87%)
- Blue (100%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1580, 0.3122, 0.2968 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 80.1580, 0.3122, 0.2968 by changing the saturation by 10% instead.


 80.1580, 0.3122,
0.2968

 80.1580, 0.3122,
0.2968


495.4651, 0.3126,
0.3111

 59.8484, 0.3121,
0.2937


133.5878, 0.3124,
0.3016

 43.2964, 0.3119,
0.2899


167.4769, 0.3124,
0.3036

 30.1178, 0.3117,
0.2852


206.6611, 0.3125,
0.3052

 19.9280, 0.3113,
0.2792

251.5251, 0.3125,
0.3067

 12.3427, 0.3108,
0.2714

302.4530, 0.3125,
0.3080

 6.9775, 0.3100,
0.2607

359.8294, 0.3126,

 3.4481, 0.3084,

0.3091

0.2451

424.0387, 0.3126,
0.3101

■ 1.3699, 0.3052,
0.2206

■ 0.1944, 0.3130,
0.1059

■ 80.1580, 0.3122,
0.2968

■ 80.1580, 0.3122,
0.2968

■ 67.2055, 0.3115,
0.2711

■ 95.1703, 0.3126,
0.3219

■ 56.2106, 0.3106,
0.2454

99.9973, 0.3127,
0.3290

■ 47.0783, 0.3094,
0.2208

■ 39.7014, 0.3079,
0.1981

■ 33.9617, 0.3062,
0.1785

■ 29.7266, 0.3042,
0.1627

■ 26.8426, 0.3021,
0.1514

■ 25.1236, 0.2998,
0.1444

■ 24.4197, 0.2982,
0.1416

Harmonies

Analogous

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



80.1580, 0.2897, 0.2901



80.1580, 0.3122, 0.2968



80.1580, 0.3356, 0.3113

Triad

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



80.1580, 0.3122, 0.2968



80.1580, 0.3525, 0.3648



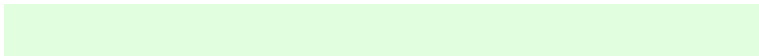
80.1580, 0.2738, 0.3255

Complementary

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



80.1580, 0.3122, 0.2968



92.7641, 0.3129, 0.3630

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.



80.1580, 0.2896, 0.3475



80.1580, 0.3122, 0.2968



80.1580, 0.3350, 0.3706

Square

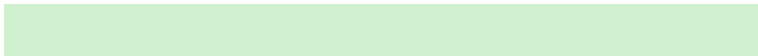
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1580, 0.3122, 0.2968



80.1580, 0.3593, 0.3498



80.1580, 0.3119, 0.3644



80.1580, 0.2682, 0.3056

Rectangle

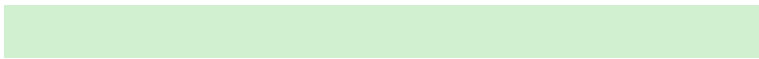
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1580, 0.3122, 0.2968



80.1580, 0.3483, 0.3237



80.1580, 0.3119, 0.3644



80.1580, 0.2781, 0.3330

Sweetspot

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



80.1615, 0.3122, 0.2968



93.4922, 0.3126, 0.3192



76.7589, 0.2921, 0.2983



19.7574, 0.3126, 0.3174



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.



80.1615, 0.3122, 0.2968



75.9926, 0.3120, 0.2889



79.8932, 0.3229, 0.3096



18.2134, 0.3124, 0.3055



12.7986, 0.2986, 0.1419



1.2692, 0.3013, 0.1433

Inverse Universe

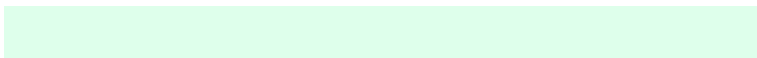
The Inverse Universe completely reimagines the original color for something new.



78.9285, 0.3344, 0.3261



74.5075, 0.3405, 0.3254



93.0319, 0.3037, 0.3493



18.0133, 0.3280, 0.3269



11.1493, 0.6304, 0.3247



1.0941, 0.6110, 0.3139

Previews

White Background



This preview shows how the Yxy color 80.1580, 0.3122, 0.2968 looks on a white background.

Color Contrast Check

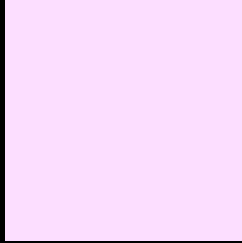
Large Text (above 18pt) WCAG AA × Fail

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 80.1580, 0.3122, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

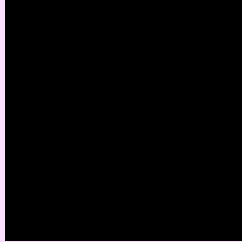
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

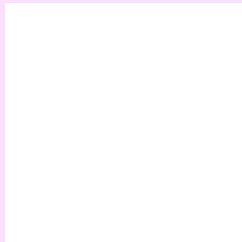
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1580, 0.3122, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 80.1580, 0.3122, 0.2968.

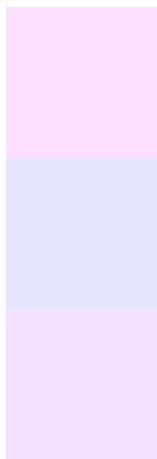


This preview shows how white text looks on a background with the Yxy color 80.1580, 0.3122, 0.2968.

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

80.1580, 0.3122, 0.2968

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.0609, 0.3066, 0.3001



Tritanopia

80.0461, 0.3191, 0.3111

Trichromacy



Original Color

80.1580, 0.3122, 0.2968

Protanomaly

80.1627, 0.3019, 0.3009

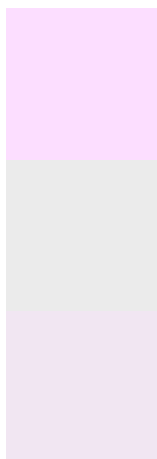
Deuteranomaly

80.0599, 0.3086, 0.2993

Tritanomaly

80.0000, 0.3166, 0.3053

Monochromacy



Original Color

80.1580, 0.3122, 0.2968

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.7052, 0.3126, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1580, 0.3122, 0.2968 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(252, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 222, 255)  
}
```

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(252, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1580, 0.3122, 0.2968 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(252, 222, 255) }
```

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

```
.border{ border-color:rgb(252, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1580, 0.3122, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 222, 255) }
```

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

```
.background{ background-color: rgb(252,  
222, 255) }
```

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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