

Converting Colors

$Y_{xy}(80.8326, 0.2770, 0.2439)$

Have a look what the booklet for
Yxy(80.8326, 0.2770, 0.2439)
contains.

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Color

Yxy(76.8022, 0.3096, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	F8D9FF
RGB	248, 217, 255
RGB Percent	97%, 85%, 100%
CMY	0.0274, 0.1490, 0.0002
CMYK	0.03, 0.15, 0.00, 0.00
HSL	289°, 100%, 93%
HSV	289°, 15%, 100%
XYZ	81.5711, 76.8022, 105.0991
YIQ	230.6010, 6.2780, 18.3900

Conversions

Conversions Part 2

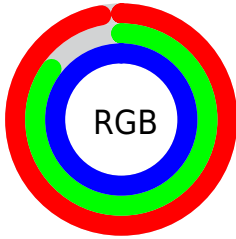
Format	Color
R_{YB}	248, 217, 255
Decimal	16308735
CIE _{Lab}	90.23, 17.27, -14.50
CIE _{LCh}	90, 22.547, 319.976
Yxy	76.8022, 0.3096, 0.2915
Android (android.graphics.Color)	4294498815 (0xFFFF8D9FF)
YUV	230.6010, 12.0287, 15.2589
Hunter-Lab	87.6369, 12.7806, -9.7581

Details

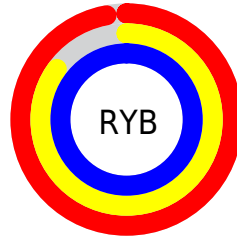
The Yxy color $76.8022, 0.3096, 0.2915$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.3466, 0.3152, 0.3684$, and the grayscale version is $79.5064, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.9942, 0.3085, 0.2835$ is the 20% darker color. If you saturate the color by 10%, you get $63.8178, 0.3069, 0.2652$, and if you desaturate by 10%, it is $91.8449, 0.3118, 0.3170$.

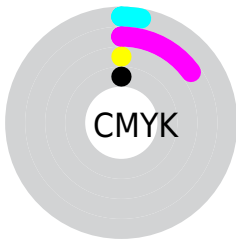
Distribution



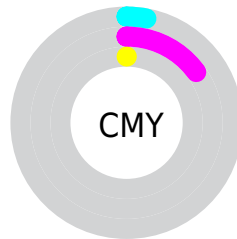
- Red (97%)
- Green (85%)
- Blue (100%)



- Red (97%)
- Yellow (85%)
- Blue (100%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8022, 0.3096, 0.2915 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 76.8022, 0.3096, 0.2915 by changing the saturation by 10% instead.

 76.8022, 0.3096,
0.2915

 76.8022, 0.3096,
0.2915

484.0894, 0.3112,
0.3082

 57.0905, 0.3092,
0.2878


128.8602, 0.3102,
0.2972

 41.0779, 0.3087,
0.2834


161.9754, 0.3104,
0.2994

 28.3800, 0.3080,
0.2779


200.3272, 0.3106,
0.3013

 18.6123, 0.3070,
0.2709

244.3000, 0.3108,
0.3031

 11.3905, 0.3057,
0.2616

294.2782, 0.3109,
0.3046

 6.3301, 0.3036,
0.2489

350.6463, 0.3110,

 3.0468, 0.3001,

0.3059

0.2305

413.7885, 0.3111,
0.3071

■ 1.1562, 0.2933,
0.2015

■ 0.0255, 0.2942,
0.0168

■ 76.8022, 0.3096,
0.2915

■ 76.8022, 0.3096,
0.2915

■ 63.8178, 0.3069,
0.2652

■ 91.8449, 0.3118,
0.3170

■ 52.7887, 0.3037,
0.2387

99.9975, 0.3127,
0.3290

■ 43.6179, 0.2999,
0.2130

■ 36.1962, 0.2957,
0.1891

■ 30.4028, 0.2912,
0.1683

■ 26.1013, 0.2863,
0.1513

■ 23.1332, 0.2814,
0.1389

■ 21.3029, 0.2765,
0.1310

■ 20.6647, 0.2740,
0.1283

Harmonies

Analogous

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



76.8022, 0.2846, 0.2848



76.8022, 0.3096, 0.2915



76.8022, 0.3365, 0.3071

Triad

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



76.8022, 0.3096, 0.2915



76.8022, 0.3593, 0.3685



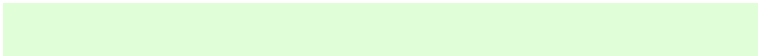
76.8022, 0.2698, 0.3272

Complementary

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



76.8022, 0.3096, 0.2915



92.3466, 0.3152, 0.3684

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.



76.8022, 0.2884, 0.3522



76.8022, 0.3096, 0.2915



76.8022, 0.3401, 0.3765

Square

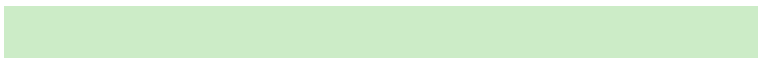
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8022, 0.3096, 0.2915



76.8022, 0.3659, 0.3505



76.8022, 0.3140, 0.3708



76.8022, 0.2623, 0.3040

Rectangle

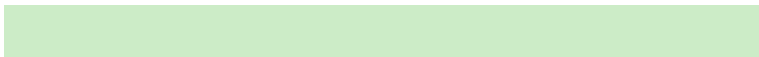
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8022, 0.3096, 0.2915



76.8022, 0.3516, 0.3209



76.8022, 0.3140, 0.3708



76.8022, 0.2749, 0.3357

Sweetspot

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



76.8055, 0.3096, 0.2915



93.3112, 0.3120, 0.3192



75.2636, 0.2888, 0.2965



19.7114, 0.3118, 0.3173



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.



76.8055, 0.3096, 0.2915



72.5701, 0.3088, 0.2834



77.3502, 0.3225, 0.3034



18.1223, 0.3108, 0.3054



10.8621, 0.2748, 0.1288



1.0993, 0.2804, 0.1318

Inverse Universe

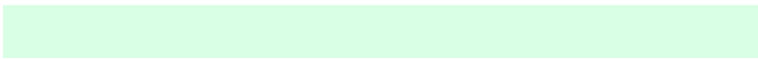
The Inverse Universe completely reimagines the original color for something new.



76.2622, 0.3357, 0.3221



71.9463, 0.3415, 0.3206



91.9070, 0.3041, 0.3560



18.0414, 0.3265, 0.3247



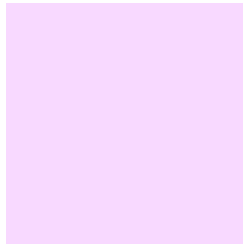
11.2304, 0.6123, 0.3146



1.1074, 0.5833, 0.2987

Previews

White Background



This preview shows how the Yxy color 76.8022, 0.3096, 0.2915 looks on a white background.

Color Contrast Check

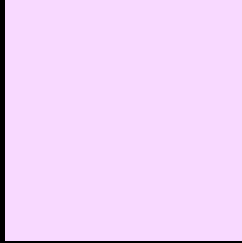
Large Text (above 18pt) WCAG AA × Fail

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 76.8022, 0.3096, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

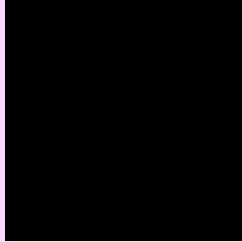
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

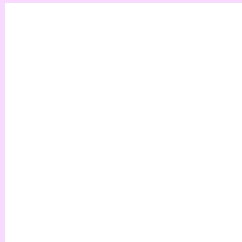
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8022, 0.3096, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 76.8022, 0.3096, 0.2915.



This preview shows how white text looks on a background with the Yxy color 76.8022, 0.3096, 0.2915.

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

76.8022, 0.3096, 0.2915

Protanopia

77.1423, 0.2921, 0.2990

Deuteranopia

76.8732, 0.3026, 0.2957



Tritanopia

76.7133, 0.3192, 0.3118

Trichromacy



Original Color

76.8022, 0.3096, 0.2915

Protanomaly

76.9843, 0.2979, 0.2964

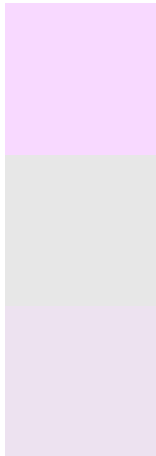
Deuteranomaly

77.0429, 0.3053, 0.2949

Tritanomaly

76.7875, 0.3153, 0.3039

Monochromacy



Original Color

76.8022, 0.3096, 0.2915

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

78.6885, 0.3113, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8022, 0.3096, 0.2915 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(248, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 217, 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(248, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.8022, 0.3096, 0.2915 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(248, 217, 255) }
```

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

```
.border{ border-color:rgb(248, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8022, 0.3096, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 217, 255) }
```

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

```
.background{ background-color: rgb(248,  
217, 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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