

Converting Colors

$Yxy(80.8446, 0.3086, 0.2994)$

Have a look what the booklet for
Yxy(80.8446, 0.3086, 0.2994)
contains.

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Color

Yxy(80.8446, 0.3086, 0.2994)

Conversions

Conversions Part 1

Format	Color
Hex	F7E1FF
RGB	247, 225, 255
RGB Percent	97%, 88%, 100%
CMY	0.0315, 0.1176, 0.0000
CMYK	0.03, 0.12, 0.00, 0.00
HSL	284°, 100%, 94%
HSV	284°, 12%, 100%
XYZ	83.3288, 80.8446, 105.8486
YIQ	234.9980, 3.4820, 13.9940

Conversions

Conversions Part 2

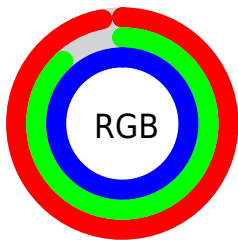
Format	Color
R_{YB}	247, 225, 255
Decimal	16245247
CIE _{Lab}	92.06, 12.76, -11.81
CIE _{LCh}	92, 17.385, 317.209
Y _{xy}	80.8446, 0.3086, 0.2994
Android (android.graphics.Color)	4294435327 (0xFFFF7E1FF)
YUV	234.9980, 9.8610, 10.5258
Hunter-Lab	89.9136, 8.0787, -6.8582

Details

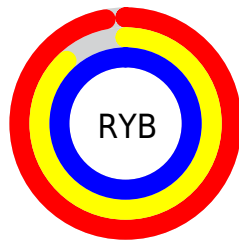
The Yxy color $80.8446, 0.3086, 0.2994$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $94.2878, 0.3163, 0.3594$, and the grayscale version is $82.9955, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.9030, 0.3082, 0.2938$ is the 20% darker color. If you saturate the color by 10%, you get $66.8530, 0.3044, 0.2729$, and if you desaturate by 10%, it is $96.9430, 0.3122, 0.3247$.

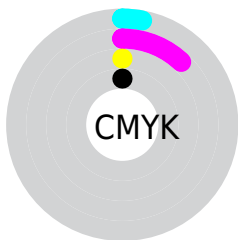
Distribution



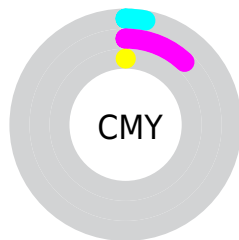
- Red (97%)
- Green (88%)
- Blue (100%)



- Red (97%)
- Yellow (88%)
- Blue (100%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8446, 0.3086, 0.2994 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 80.8446, 0.3086, 0.2994 by changing the saturation by 10% instead.


 80.8446, 0.3086,
0.2994

 80.8446, 0.3086,
0.2994

497.7747, 0.3106,
0.3126

 60.4136, 0.3081,
0.2965


134.5525, 0.3093,
0.3039

 43.7521, 0.3075,
0.2930

168.5983, 0.3096,
0.3056

 30.4757, 0.3068,
0.2887


207.9511, 0.3098,
0.3072

 20.1999, 0.3058,
0.2831

252.9954, 0.3100,
0.3085

 12.5405, 0.3044,
0.2759

304.1154, 0.3102,
0.3097

 7.1129, 0.3023,
0.2659

361.6957, 0.3103,

 3.5328, 0.2991,

0.3107

0.2513

426.1207, 0.3105,
0.3117

■ 1.4158, 0.2931,
0.2283

■ 0.2283, 0.2879,
0.1244

■ 80.8446, 0.3086,
0.2994

■ 80.8446, 0.3086,
0.2994

■ 66.8530, 0.3044,
0.2729

■ 96.9430, 0.3122,
0.3247

■ 54.8731, 0.2994,
0.2456

100.0000, 0.3127,
0.3290

■ 44.8079, 0.2937,
0.2184

■ 36.5507, 0.2873,
0.1925

■ 29.9844, 0.2803,
0.1689

■ 24.9776, 0.2730,
0.1488

■ 21.3792, 0.2657,
0.1332

■ 19.0074, 0.2585,
0.1224

■ 17.7483, 0.2527,
0.1166

Harmonies

Analogous

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



80.8446, 0.2899, 0.2951



80.8446, 0.3086, 0.2994



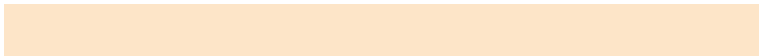
80.8446, 0.3290, 0.3110

Triad

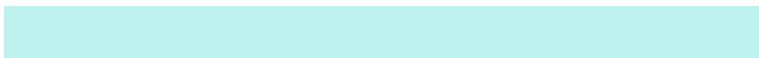
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8446, 0.3086, 0.2994



80.8446, 0.3489, 0.3582



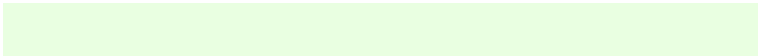
80.8446, 0.2810, 0.3296

Complementary

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



80.8446, 0.3086, 0.2994



94.2878, 0.3163, 0.3594

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.



80.8446, 0.2960, 0.3480



80.8446, 0.3086, 0.2994



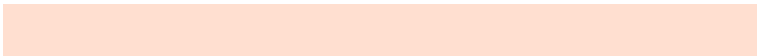
80.8446, 0.3353, 0.3647

Square

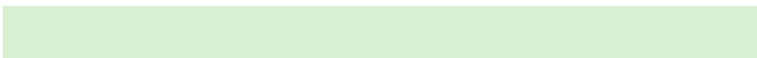
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8446, 0.3086, 0.2994



80.8446, 0.3527, 0.3443



80.8446, 0.3158, 0.3611



80.8446, 0.2743, 0.3117

Rectangle

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



80.8446, 0.3086, 0.2994



80.8446, 0.3407, 0.3214



80.8446, 0.3158, 0.3611



80.8446, 0.2852, 0.3360

Sweetspot

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



80.8458, 0.3086, 0.2994



93.1495, 0.3114, 0.3192



81.7960, 0.2942, 0.3070



19.6704, 0.3112, 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.



80.8458, 0.3086, 0.2994



77.5313, 0.3077, 0.2936



81.9258, 0.3183, 0.3061



18.0414, 0.3095, 0.3053



9.3509, 0.2539, 0.1172



0.9640, 0.2618, 0.1216

Inverse Universe

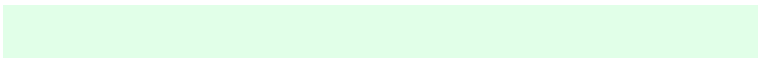
The Inverse Universe completely reimagines the original color for something new.



81.0029, 0.3285, 0.3211



77.7291, 0.3320, 0.3195



93.3280, 0.3076, 0.3531



18.0670, 0.3252, 0.3227



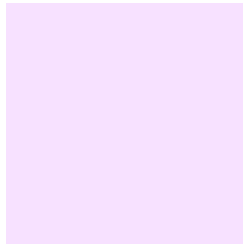
11.3497, 0.5879, 0.3012



1.1223, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 80.8446, 0.3086, 0.2994 looks on a white background.

Color Contrast Check

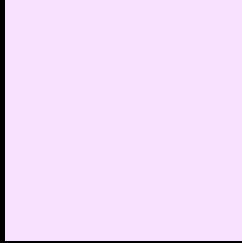
Large Text (above 18pt) WCAG AA × Fail

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 80.8446, 0.3086, 0.2994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

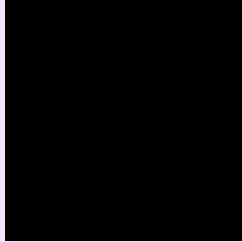
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

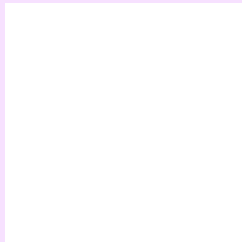
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8446, 0.3086, 0.2994

Background



This preview shows how black text looks on a background with the Yxy color 80.8446, 0.3086, 0.2994.

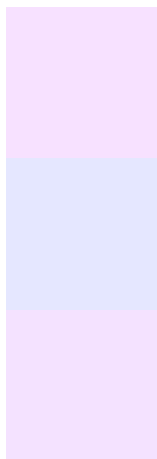


This preview shows how white text looks on a background with the Yxy color 80.8446, 0.3086, 0.2994.

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

80.8446, 0.3086, 0.2994

Protanopia

81.0298, 0.2967, 0.3046

Deuteranopia

80.8458, 0.3066, 0.3002



Tritanopia

80.9432, 0.3136, 0.3110

Trichromacy



Original Color

80.8446, 0.3086, 0.2994

Protanomaly

81.0915, 0.3012, 0.3028

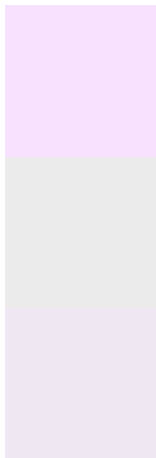
Deuteranomaly

81.0252, 0.3073, 0.3003

Tritanomaly

80.8251, 0.3117, 0.3061

Monochromacy



Original Color

80.8446, 0.3086, 0.2994

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

81.9134, 0.3112, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8446, 0.3086, 0.2994 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(247, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 225, 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(247, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8446, 0.3086, 0.2994 is called "border". The border property can be set on classes, ids or directly on the HTML element.

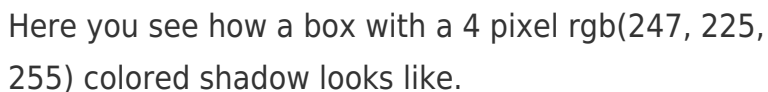
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 225, 255) }
```

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

```
.border{ border-color:rgb(247, 225, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8446, 0.3086, 0.2994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 225, 255) }
```

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

```
.background{ background-color: rgb(247,  
225, 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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