

Converting Colors

$Y_{xy}(95.8980, 0.2363, 0.1881)$

Have a look what the booklet for
Yxy(95.8980, 0.2363, 0.1881)
contains.

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Color

Yxy(81.5797, 0.3114, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	FBE1FF
RGB	251, 225, 255
RGB Percent	98%, 88%, 100%
CMY	0.0155, 0.1177, 0.0001
CMYK	0.02, 0.12, 0.00, 0.00
HSL	292°, 100%, 94%
HSV	292°, 12%, 100%
XYZ	84.7645, 81.5797, 105.8603
YIQ	236.1940, 5.8660, 14.8420

Conversions

Conversions Part 2

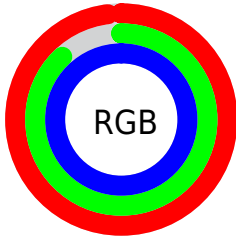
Format	Color
R _Y B	251, 225, 255
Decimal	16507391
CIE Lab	92.39, 14.08, -11.25
CIE LCh	92, 18.027, 321.370
Yxy	81.5797, 0.3114, 0.2997
Android (android.graphics.Color)	4294697471 (0xFFFFBE1FF)
YUV	236.1940, 9.2714, 12.9849
Hunter-Lab	90.3215, 9.4553, -6.2652

Details

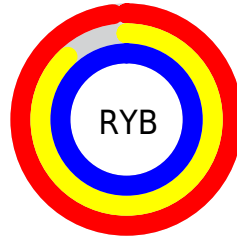
The Yxy color **81.5797, 0.3114, 0.2997** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **93.5836, 0.3137, 0.3596**, and the grayscale version is **83.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2960, 0.3108, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **68.1957, 0.3099, 0.2738**, and if you desaturate by 10%, it is **97.0400, 0.3125, 0.3247**.

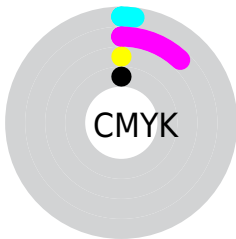
Distribution



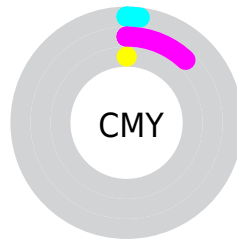
- Red (98%)
- Green (88%)
- Blue (100%)



- Red (98%)
- Yellow (88%)
- Blue (100%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5797, 0.3114, 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 81.5797, 0.3114, 0.2997 by changing the saturation by 10% instead.


 81.5797, 0.3114,
0.2997

 81.5797, 0.3114,
0.2997


500.2407, 0.3121,
0.3127

 61.0192, 0.3112,
0.2969


135.5844, 0.3117,
0.3041

 44.2406, 0.3110,
0.2934


169.7974, 0.3118,
0.3058

 30.8597, 0.3106,
0.2891

209.3300, 0.3119,
0.3074

 20.4921, 0.3102,
0.2837

254.5666, 0.3119,
0.3087

 12.7532, 0.3095,
0.2766

305.8915, 0.3120,
0.3099

 7.2588, 0.3085,
0.2668

363.6893, 0.3120,

 3.6245, 0.3068,

0.3109

0.2526

428.3442, 0.3121,
0.3118

■ 1.4658, 0.3034,
0.2302

■ 0.2645, 0.3070,
0.1364

■ 81.5797, 0.3114,
0.2997

■ 81.5797, 0.3114,
0.2997

■ 68.1957, 0.3099,
0.2738

■ 97.0400, 0.3125,
0.3247

■ 56.7866, 0.3080,
0.2477

99.9981, 0.3127,
0.3290

■ 47.2581, 0.3058,
0.2224

■ 39.5040, 0.3032,
0.1987

■ 33.4075, 0.3002,
0.1778

■ 28.8380, 0.2970,
0.1607

■ 25.6447, 0.2936,
0.1479

■ 23.6464, 0.2902,
0.1396

■ 22.6715, 0.2873,
0.1357

Harmonies

Analogous

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



81.5797, 0.2915, 0.2941



81.5797, 0.3114, 0.2997



81.5797, 0.3323, 0.3125

Triad

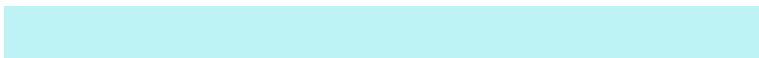
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5797, 0.3114, 0.2997



81.5797, 0.3487, 0.3606



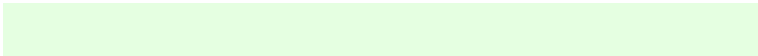
81.5797, 0.2784, 0.3269

Complementary

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



81.5797, 0.3114, 0.2997



93.5836, 0.3137, 0.3596

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.



81.5797, 0.2929, 0.3463



81.5797, 0.3114, 0.2997



81.5797, 0.3334, 0.3660

Square

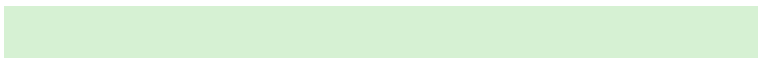
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5797, 0.3114, 0.2997



81.5797, 0.3543, 0.3470



81.5797, 0.3129, 0.3609



81.5797, 0.2729, 0.3089

Rectangle

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



81.5797, 0.3114, 0.2997



81.5797, 0.3438, 0.3236



81.5797, 0.3129, 0.3609



81.5797, 0.2823, 0.3335

Sweetspot

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



81.5832, 0.3114, 0.2997



93.4109, 0.3123, 0.3192



79.2603, 0.2941, 0.3023



19.7368, 0.3122, 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.



81.5832, 0.3114, 0.2997



78.4221, 0.3111, 0.2939



81.6337, 0.3212, 0.3104



18.1724, 0.3117, 0.3054



11.8966, 0.2879, 0.1360



1.1905, 0.2919, 0.1382

Inverse Universe

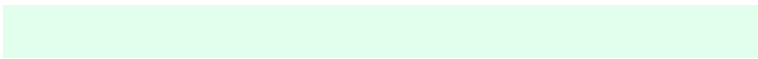
The Inverse Universe completely reimagines the original color for something new.



80.7565, 0.3313, 0.3251



77.4607, 0.3354, 0.3244



93.5635, 0.3051, 0.3483



18.0259, 0.3274, 0.3259



11.1794, 0.6235, 0.3209



1.1000, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 81.5797, 0.3114, 0.2997 looks on a white background.

Color Contrast Check

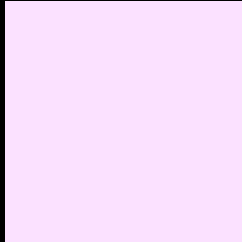
Large Text (above 18pt) WCAG AA × Fail

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 81.5797, 0.3114, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

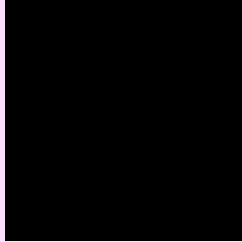
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

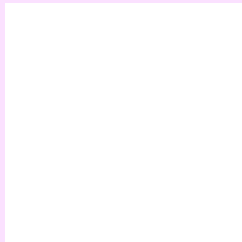
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5797, 0.3114, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 81.5797, 0.3114, 0.2997.

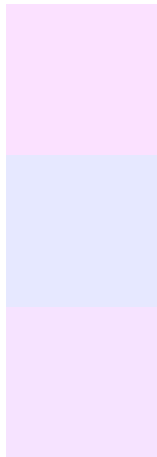


This preview shows how white text looks on a background with the Yxy color 81.5797, 0.3114, 0.2997.

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

81.5797, 0.3114, 0.2997

Protanopia

81.7562, 0.2974, 0.3056

Deuteranopia

81.7510, 0.3079, 0.3014



Tritanopia

81.6705, 0.3163, 0.3112

Trichromacy



Original Color

81.5797, 0.3114, 0.2997

Protanomaly

81.4358, 0.3026, 0.3030

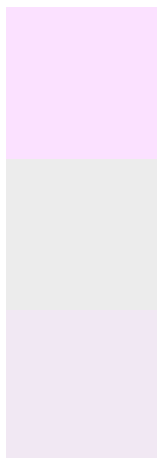
Deuteranomaly

81.5692, 0.3093, 0.3005

Tritanomaly

81.5563, 0.3145, 0.3063

Monochromacy



Original Color

81.5797, 0.3114, 0.2997

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.8851, 0.3119, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5797, 0.3114, 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(251, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.5797, 0.3114, 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(251, 225, 255) }
```

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

```
.border{ border-color:rgb(251, 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(251, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5797, 0.3114, 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(251, 225, 255) }
```

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

```
.background{ background-color: rgb(251,  
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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