

Converting Colors

$Y_{xy}(82.8176, 0.3199, 0.3105)$

Have a look what the booklet for
Yxy(82.8176, 0.3199, 0.3105)
contains.

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Color

Yxy(82.8520, 0.3198, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3F6
RGB	255, 227, 246
RGB Percent	100%, 89%, 96%
CMY	0.0000, 0.1099, 0.0352
CMYK	0.00, 0.11, 0.04, 0.00
HSL	319°, 100%, 95%
HSV	319°, 11%, 100%
XYZ	85.3610, 82.8520, 98.7071
YIQ	237.5380, 10.5890, 11.8450

Conversions

Conversions Part 2

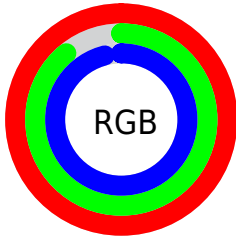
Format	Color
R _Y B	255, 227, 246
Decimal	16770038
CIE Lab	92.95, 12.79, -5.72
CIE LCh	93, 14.014, 335.908
Yxy	82.8520, 0.3198, 0.3104
Android (android.graphics.Color)	4294960118 (0xFFFFE3F6)
YUV	237.5380, 4.1718, 15.3142
Hunter-Lab	91.0231, 8.1062, -0.5790

Details

The Yxy color **82.8520, 0.3198, 0.3104** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.9018, 0.3063, 0.3483**, and the grayscale version is **85.0805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2285, 0.3209, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **69.4253, 0.3274, 0.2927**, and if you desaturate by 10%, it is **98.3542, 0.3133, 0.3274**.

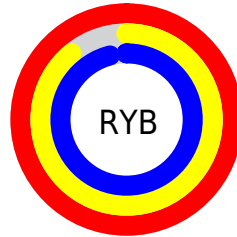
Distribution



Red (100%)

Green (89%)

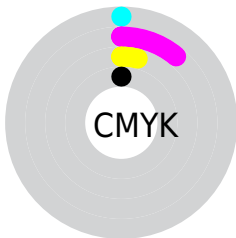
Blue (96%)



Red (100%)

Yellow (89%)

Blue (96%)

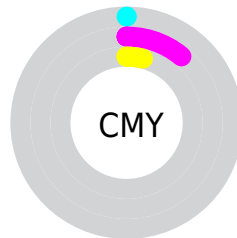


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8520, 0.3198, 0.3104 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 82.8520, 0.3198, 0.3104 by changing the saturation by 10% instead.

 82.8520, 0.3198,
0.3104

 82.8520, 0.3198,
0.3104


504.4931, 0.3167,
0.3187

 62.0681, 0.3205,
0.3086


137.3682, 0.3187,
0.3132

 45.0877, 0.3213,
0.3064


171.8692, 0.3183,
0.3143

 31.5265, 0.3224,
0.3036


211.7113, 0.3180,
0.3153

 21.0001, 0.3237,
0.3001

257.2790, 0.3176,
0.3161

 13.1241, 0.3254,
0.2955

308.9567, 0.3173,
0.3169

 7.5140, 0.3278,
0.2890

367.1286, 0.3171,

 3.7856, 0.3313,

0.3176

0.2796

432.1793, 0.3169,
0.3182

■ 1.5544, 0.3368,
0.2644

■ 0.3265, 0.3653,
0.1916

■ 82.8520, 0.3198,
0.3104

■ 82.8520, 0.3198,
0.3104

■ 69.4253, 0.3274,
0.2927

■ 98.3542, 0.3133,
0.3274

■ 58.0017, 0.3363,
0.2747

100.0000, 0.3127,
0.3290

■ 48.4775, 0.3466,
0.2571

■ 40.7471, 0.3582,
0.2407

■ 34.6944, 0.3710,
0.2266

■ 30.1895, 0.3846,
0.2159

■ 27.0835, 0.3986,
0.2097

■ 25.1976, 0.4125,
0.2085

■ 24.2918, 0.4247,
0.2113

Harmonies

Analogous

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



82.8520, 0.3034, 0.3031



82.8520, 0.3198, 0.3104



82.8520, 0.3346, 0.3224

Triad

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



82.8520, 0.3198, 0.3104



82.8520, 0.3357, 0.3564



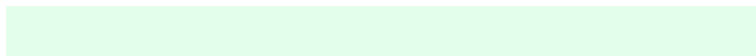
82.8520, 0.2830, 0.3204

Complementary

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



82.8520, 0.3198, 0.3104



93.9018, 0.3063, 0.3483

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.



82.8520, 0.2911, 0.3353



82.8520, 0.3198, 0.3104



82.8520, 0.3214, 0.3566

Square

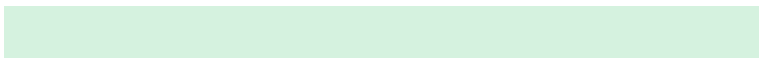
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



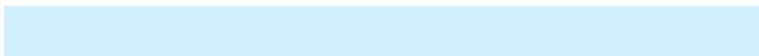
82.8520, 0.3198, 0.3104



82.8520, 0.3438, 0.3488



82.8520, 0.3051, 0.3488



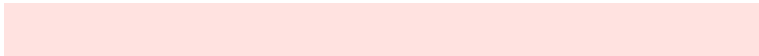
82.8520, 0.2825, 0.3084

Rectangle

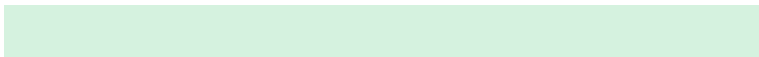
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8520, 0.3198, 0.3104



82.8520, 0.3413, 0.3317



82.8520, 0.3051, 0.3488



82.8520, 0.2849, 0.3252

Sweetspot

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



82.8459, 0.3198, 0.3104



95.0591, 0.3145, 0.3240



79.9584, 0.3012, 0.3008



20.0710, 0.3150, 0.3227



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.



82.8459, 0.3198, 0.3104



79.9782, 0.3212, 0.3069



82.0232, 0.3290, 0.3240



18.1956, 0.3187, 0.3130



12.7214, 0.4225, 0.2101



1.2586, 0.4080, 0.2021

Inverse Universe

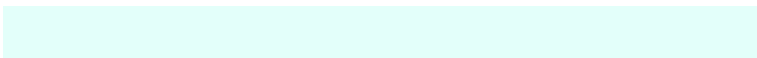
The Inverse Universe completely reimagines the original color for something new.



82.8459, 0.3198, 0.3104



79.9782, 0.3212, 0.3069



94.7421, 0.2986, 0.3341



18.1956, 0.3187, 0.3130



12.7214, 0.4225, 0.2101



1.2586, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 82.8520, 0.3198, 0.3104 looks on a white background.

Color Contrast Check

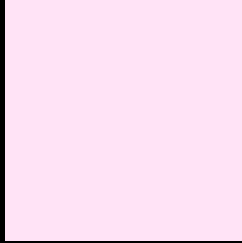
Large Text (above 18pt) WCAG AA × Fail

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 82.8520, 0.3198, 0.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

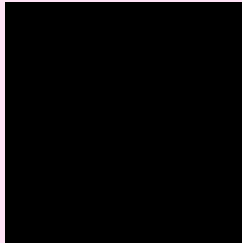
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8520, 0.3198, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 82.8520, 0.3198, 0.3104.



This preview shows how white text looks on a background with the Yxy color 82.8520, 0.3198, 0.3104.

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

82.8520, 0.3198, 0.3104

Protanopia

82.8421, 0.3036, 0.3118

Deuteranopia

83.0233, 0.3183, 0.3114



Tritanopia

82.7907, 0.3204, 0.3114

Trichromacy



Original Color

82.8520, 0.3198, 0.3104

Protanomaly

82.8686, 0.3089, 0.3110

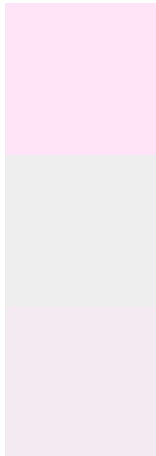
Deuteranomaly

83.2115, 0.3190, 0.3114

Tritanomaly

82.7907, 0.3204, 0.3114

Monochromacy



Original Color

82.8520, 0.3198, 0.3104

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.4296, 0.3151, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8520, 0.3198, 0.3104 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(255, 227, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 246)  
}
```

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(255, 227, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.8520, 0.3198, 0.3104 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(255, 227, 246) }
```

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

```
.border{ border-color:rgb(255, 227, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8520, 0.3198, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 246) }
```

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

```
.background{ background-color: rgb(255,  
227, 246) }
```

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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