

Converting Colors

$Yxy(84.9091, 0.3112, 0.3056)$

Have a look what the booklet for
Yxy(84.9091, 0.3112, 0.3056)
contains.

Yxy(84.8811, 0.3111, 0.3056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.8811, 0.3111, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	FBE7FF
RGB	251, 231, 255
RGB Percent	98%, 91%, 100%
CMY	0.0157, 0.0941, 0.0000
CMYK	0.02, 0.09, 0.00, 0.00
HSL	290°, 100%, 95%
HSV	290°, 9%, 100%
XYZ	86.4087, 84.8811, 106.4625
YIQ	239.7160, 4.2160, 11.7040

Conversions

Conversions Part 2

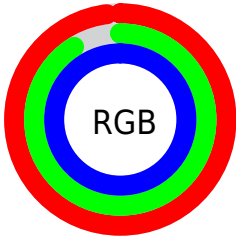
Format	Color
R _Y B	251, 231, 255
Decimal	16508927
CIE Lab	93.83, 10.96, -9.14
CIE LCh	94, 14.269, 320.159
Yxy	84.8811, 0.3111, 0.3056
Android (android.graphics.Color)	4294699007 (0xFFFFBE7FF)
YUV	239.7160, 7.5350, 9.8961
Hunter-Lab	92.1309, 6.1843, -4.0213

Details

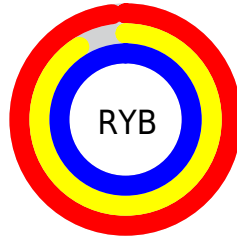
The Yxy color **84.8811, 0.3111, 0.3056** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9563, 0.3141, 0.3531**, and the grayscale version is **86.8407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2065, 0.3106, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **70.8487, 0.3090, 0.2797**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

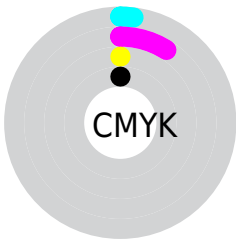
Distribution



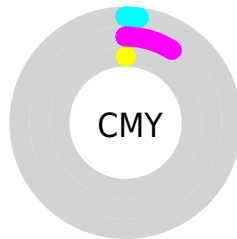
- Red (98%)
- Green (91%)
- Blue (100%)



- Red (98%)
- Yellow (91%)
- Blue (100%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8811, 0.3111, 0.3056 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 84.8811, 0.3111, 0.3056 by changing the saturation by 10% instead.


 84.8811, 0.3111,
0.3056

 84.8811, 0.3111,
0.3056


511.2346, 0.3119,
0.3160

 63.7431, 0.3109,
0.3033


140.2070, 0.3114,
0.3091

 46.4427, 0.3107,
0.3006


175.1638, 0.3115,
0.3105

 32.5953, 0.3103,
0.2972

215.4957, 0.3116,
0.3117

 21.8166, 0.3099,
0.2929

261.5869, 0.3117,
0.3128

 13.7222, 0.3093,
0.2872

313.8221, 0.3117,
0.3137

 7.9277, 0.3084,
0.2795

372.5855, 0.3118,

 4.0487, 0.3069,

0.3145

0.2682

438.2615, 0.3119,
0.3153

■ 1.7009, 0.3042,
0.2504

■ 0.4242, 0.3045,
0.1926

■ 84.8811, 0.3111,
0.3056

■ 84.8811, 0.3111,
0.3056

■ 70.8487, 0.3090,
0.2797

100.0000, 0.3127,
0.3290

■ 58.8224, 0.3064,
0.2533

■ 48.7075, 0.3034,
0.2273

■ 40.4000, 0.2998,
0.2025

■ 33.7858, 0.2959,
0.1802

■ 28.7377, 0.2917,
0.1614

■ 25.1104, 0.2872,
0.1467

■ 22.7310, 0.2827,
0.1367

■ 21.3345, 0.2783,
0.1308

Harmonies

Analogous

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



84.8811, 0.2956, 0.3015



84.8811, 0.3111, 0.3056



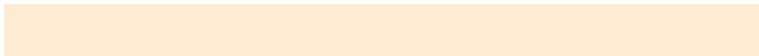
84.8811, 0.3274, 0.3155

Triad

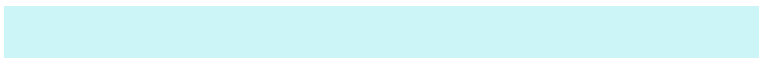
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8811, 0.3111, 0.3056



84.8811, 0.3412, 0.3535



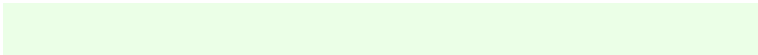
84.8811, 0.2861, 0.3281

Complementary

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



84.8811, 0.3111, 0.3056



94.9563, 0.3141, 0.3531

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.



84.8811, 0.2978, 0.3430



84.8811, 0.3111, 0.3056



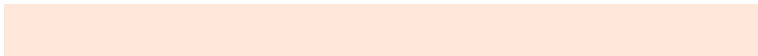
84.8811, 0.3296, 0.3578

Square

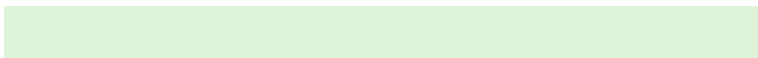
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



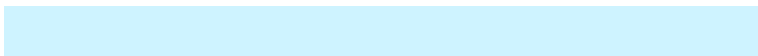
84.8811, 0.3111, 0.3056



84.8811, 0.3451, 0.3428



84.8811, 0.3137, 0.3540



84.8811, 0.2814, 0.3139

Rectangle

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



84.8811, 0.3111, 0.3056



84.8811, 0.3365, 0.3243



84.8811, 0.3137, 0.3540



84.8811, 0.2893, 0.3332

Sweetspot

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



84.8827, 0.3111, 0.3056



94.9737, 0.3122, 0.3217



83.8601, 0.2980, 0.3092



20.0478, 0.3121, 0.3197



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.



84.8827, 0.3111, 0.3056



82.5112, 0.3108, 0.3016



85.1567, 0.3186, 0.3131



18.1375, 0.3111, 0.3054



11.1678, 0.2788, 0.1310



1.1264, 0.2839, 0.1337

Inverse Universe

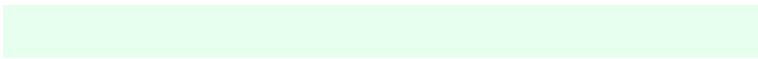
The Inverse Universe completely reimagines the original color for something new.



84.4160, 0.3266, 0.3251



81.9769, 0.3293, 0.3244



94.7190, 0.3073, 0.3455



18.0367, 0.3268, 0.3250



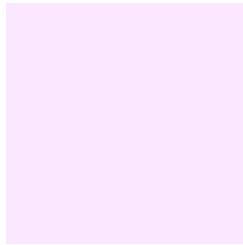
11.2132, 0.6160, 0.3167



1.1050, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 84.8811, 0.3111, 0.3056 looks on a white background.

Color Contrast Check

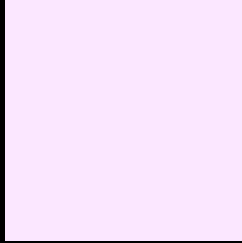
Large Text (above 18pt) WCAG AA × Fail

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 84.8811, 0.3111, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

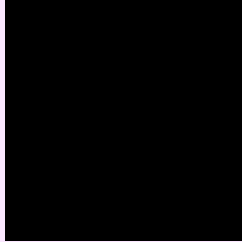
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

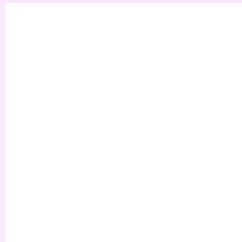
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8811, 0.3111, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 84.8811, 0.3111, 0.3056.

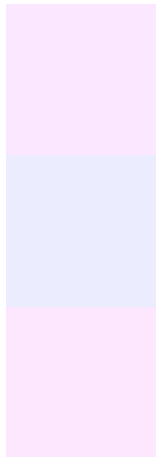


This preview shows how white text looks on a background with the Yxy color 84.8811, 0.3111, 0.3056.

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

84.8811, 0.3111, 0.3056

Protanopia

85.0438, 0.3012, 0.3100

Deuteranopia

85.0673, 0.3118, 0.3057



Tritanopia

84.9393, 0.3135, 0.3114

Trichromacy



Original Color

84.8811, 0.3111, 0.3056

Protanomaly

84.7664, 0.3045, 0.3082

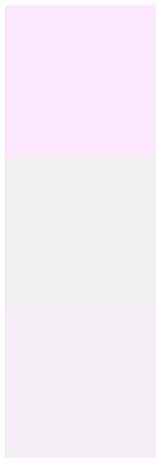
Deuteranomaly

85.0673, 0.3118, 0.3057

Tritanomaly

85.0655, 0.3123, 0.3094

Monochromacy



Original Color

84.8811, 0.3111, 0.3056

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.3940, 0.3124, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8811, 0.3111, 0.3056 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.8811, 0.3111, 0.3056 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, 231, 255) }
```

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

```
.border{ border-color:rgb(251, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8811, 0.3111, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 231, 255) }
```

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

```
.background{ background-color: rgb(251,  
231, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor