

Converting Colors

$Y_{xy}(83.1531, 0.3110, 0.3026)$

Have a look what the booklet for
Yxy(83.1531, 0.3110, 0.3026)
contains.

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Color

Yxy(83.2160, 0.3112, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	FBE4FF
RGB	251, 228, 255
RGB Percent	98%, 89%, 100%
CMY	0.0160, 0.1057, 0.0001
CMYK	0.02, 0.11, 0.00, 0.00
HSL	291°, 100%, 95%
HSV	291°, 11%, 100%
XYZ	85.5528, 83.2160, 106.1437
YIQ	237.9550, 5.0410, 13.2730

Conversions

Conversions Part 2

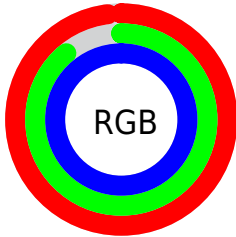
Format	Color
R _Y B	251, 228, 255
Decimal	16508159
CIE Lab	93.11, 12.47, -10.19
CIE LCh	93, 16.102, 320.740
Yxy	83.2160, 0.3112, 0.3027
Android (android.graphics.Color)	4294698239 (0xFFFB E4FF)
YUV	237.9550, 8.4032, 11.4405
Hunter-Lab	91.2228, 7.7652, -5.1318

Details

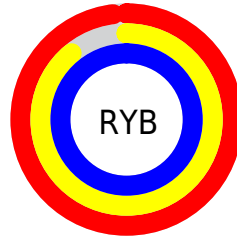
The Yxy color $83.2160, 0.3112, 0.3027$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $94.2832, 0.3140, 0.3563$, and the grayscale version is $85.3894, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.4337, 0.3107, 0.2979$ is the 20% darker color. If you saturate the color by 10%, you get $69.5009, 0.3094, 0.2768$, and if you desaturate by 10%, it is $99.0217, 0.3126, 0.3276$.

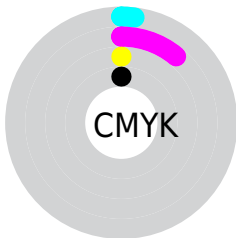
Distribution



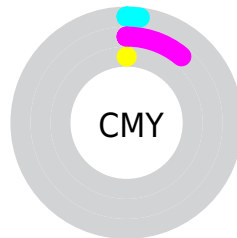
- Red (98%)
- Green (89%)
- Blue (100%)



- Red (98%)
- Yellow (89%)
- Blue (100%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2160, 0.3112, 0.3027 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 83.2160, 0.3112, 0.3027 by changing the saturation by 10% instead.

 83.2160, 0.3112,
0.3027

 83.2160, 0.3112,
0.3027

505.7061, 0.3120,
0.3143

 62.3684, 0.3110,
0.3002

137.8779, 0.3115,
0.3066

 45.3304, 0.3108,
0.2971


172.4610, 0.3116,
0.3082

 31.7178, 0.3104,
0.2932

212.3914, 0.3117,
0.3096

 21.1460, 0.3100,
0.2884

258.0534, 0.3118,
0.3108

 13.2308, 0.3093,
0.2820

309.8315, 0.3118,
0.3118

 7.5876, 0.3084,
0.2733

368.1101, 0.3119,

 3.8322, 0.3067,

0.3127

0.2605

433.2735, 0.3119,
0.3136

■ 1.5802, 0.3037,
0.2405

■ 0.3442, 0.3053,
0.1664

■ 83.2160, 0.3112,
0.3027

■ 83.2160, 0.3112,
0.3027

■ 69.5009, 0.3094,
0.2768

99.0217, 0.3126,
0.3276

■ 57.7753, 0.3071,
0.2505

99.9988, 0.3127,
0.3290

■ 47.9460, 0.3044,
0.2248

■ 39.9077, 0.3013,
0.2005

■ 33.5452, 0.2978,
0.1789

■ 28.7296, 0.2940,
0.1608

■ 25.3129, 0.2901,
0.1471

■ 23.1183, 0.2861,
0.1379

■ 21.9030, 0.2823,
0.1329

Harmonies

Analogous

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



83.2160, 0.2935, 0.2979



83.2160, 0.3112, 0.3027



83.2160, 0.3298, 0.3140

Triad

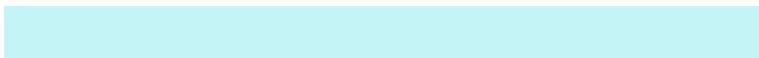
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2160, 0.3112, 0.3027



83.2160, 0.3449, 0.3569



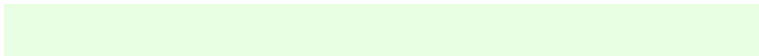
83.2160, 0.2824, 0.3276

Complementary

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



83.2160, 0.3112, 0.3027



94.2832, 0.3140, 0.3563

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.



83.2160, 0.2955, 0.3446



83.2160, 0.3112, 0.3027



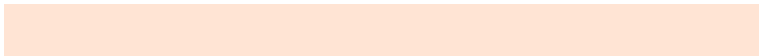
83.2160, 0.3315, 0.3618

Square

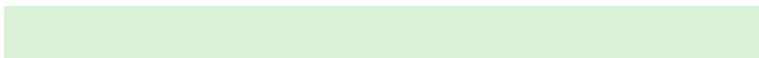
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2160, 0.3112, 0.3027



83.2160, 0.3495, 0.3448



83.2160, 0.3134, 0.3574



83.2160, 0.2773, 0.3115

Rectangle

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



83.2160, 0.3112, 0.3027



83.2160, 0.3400, 0.3239



83.2160, 0.3134, 0.3574



83.2160, 0.2860, 0.3334

Sweetspot

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



83.2196, 0.3112, 0.3027



94.9978, 0.3123, 0.3217



81.7286, 0.2961, 0.3061



20.0543, 0.3122, 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.



83.2196, 0.3112, 0.3027



79.7078, 0.3108, 0.2965



83.4165, 0.3197, 0.3115



18.1536, 0.3114, 0.3054



11.4992, 0.2830, 0.1333



1.1556, 0.2876, 0.1358

Inverse Universe

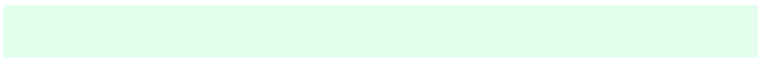
The Inverse Universe completely reimagines the original color for something new.



82.5943, 0.3289, 0.3250



78.9604, 0.3331, 0.3241



94.1231, 0.3063, 0.3472



18.0317, 0.3271, 0.3254



11.1966, 0.6197, 0.3187



1.1027, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 83.2160, 0.3112, 0.3027 looks on a white background.

Color Contrast Check

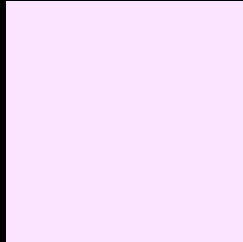
Large Text (above 18pt) WCAG AA × Fail

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 83.2160, 0.3112, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

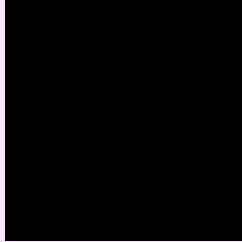
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

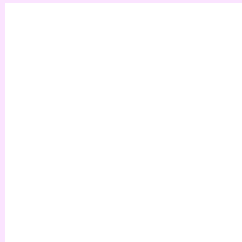
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2160, 0.3112, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 83.2160, 0.3112, 0.3027.

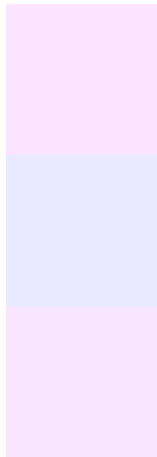


This preview shows how white text looks on a background with the Yxy color 83.2160, 0.3112, 0.3027.

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

83.2160, 0.3112, 0.3027

Protanopia

83.3893, 0.2993, 0.3078

Deuteranopia

83.3984, 0.3099, 0.3035



Tritanopia

83.0780, 0.3156, 0.3113

Trichromacy



Original Color

83.2160, 0.3112, 0.3027

Protanomaly

83.4585, 0.3038, 0.3061

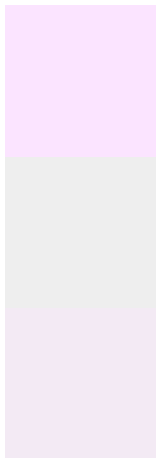
Deuteranomaly

83.5826, 0.3105, 0.3036

Tritanomaly

83.2647, 0.3137, 0.3084

Monochromacy



Original Color

83.2160, 0.3112, 0.3027

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.4320, 0.3125, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2160, 0.3112, 0.3027 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.2160, 0.3112, 0.3027 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, 228, 255) }
```

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

```
.border{ border-color:rgb(251, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2160, 0.3112, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 228, 255) }
```

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

```
.background{ background-color: rgb(251,  
228, 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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