

Converting Colors

$Y_{xy}(81.8246, 0.3248, 0.3167)$

Have a look what the booklet for
Yxy(81.8246, 0.3248, 0.3167)
contains.

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Color

Yxy(81.8258, 0.3251, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2EE
RGB	255, 226, 238
RGB Percent	100%, 89%, 93%
CMY	0.0001, 0.1137, 0.0666
CMYK	0.00, 0.11, 0.07, 0.00
HSL	335°, 100%, 94%
HSV	335°, 11%, 100%
XYZ	83.8637, 81.8258, 92.2733
YIQ	236.0390, 13.4320, 9.8800

Conversions

Conversions Part 2

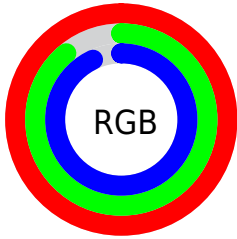
Format	Color
R _Y B	255, 226, 238
Decimal	16769774
CIE Lab	92.50, 11.90, -2.20
CIE LCh	92, 12.104, 349.533
Yxy	81.8258, 0.3251, 0.3172
Android (android.graphics.Color)	4294959854 (0xFFFFE2EE)
YUV	236.0390, 0.9668, 16.6288
Hunter-Lab	90.4576, 7.1874, 2.8403

Details

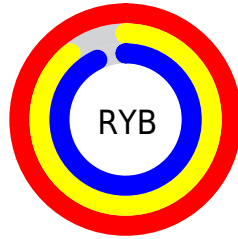
The Yxy color **81.8258, 0.3251, 0.3172** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.1452, 0.3018, 0.3411**, and the grayscale version is **83.8979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5090, 0.3278, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **68.1356, 0.3386, 0.3062**, and if you desaturate by 10%, it is **97.6580, 0.3141, 0.3276**.

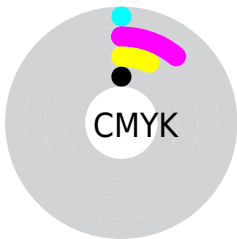
Distribution



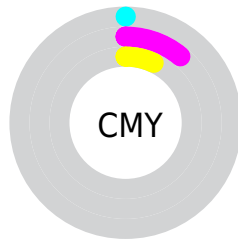
- Red (100%)
- Green (89%)
- Blue (93%)



- Red (100%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8258, 0.3251, 0.3172 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 81.8258, 0.3251, 0.3172 by changing the saturation by 10% instead.


 81.8258, 0.3251,
0.3172

 81.8258, 0.3251,
0.3172


501.0648, 0.3195,
0.3225

 61.2220, 0.3263,
0.3160


135.9297, 0.3232,
0.3190

 44.4043, 0.3279,
0.3146

170.1985, 0.3224,
0.3197

 30.9885, 0.3298,
0.3128


209.7911, 0.3218,
0.3203

 20.5901, 0.3322,
0.3105

255.0919, 0.3212,
0.3209

 12.8247, 0.3355,
0.3074

306.4853, 0.3207,
0.3214

 7.3079, 0.3402,
0.3031

364.3556, 0.3203,

 3.6554, 0.3471,

0.3218

0.2967

429.0874, 0.3199,
0.3222

■ 1.4827, 0.3588,
0.2860

■ 0.2765, 0.4307,
0.2152

■ 81.8258, 0.3251,
0.3172

■ 81.8258, 0.3251,
0.3172

■ 68.1356, 0.3386,
0.3062

■ 97.6580, 0.3141,
0.3276

■ 56.4840, 0.3548,
0.2949

99.9955, 0.3127,
0.3290

■ 46.7755, 0.3744,
0.2838

■ 38.9025, 0.3973,
0.2736

■ 32.7466, 0.4237,
0.2653

■ 28.1758, 0.4527,
0.2604

■ 25.0383, 0.4831,
0.2599

■ 23.1519, 0.5129,
0.2649

■ 22.2890, 0.5367,
0.2730

Harmonies

Analogous

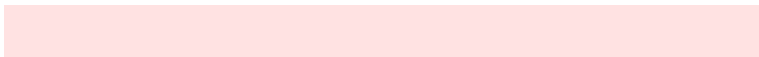
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8258, 0.3111, 0.3087



81.8258, 0.3251, 0.3172



81.8258, 0.3359, 0.3288

Triad

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



81.8258, 0.3251, 0.3172



81.8258, 0.3275, 0.3537



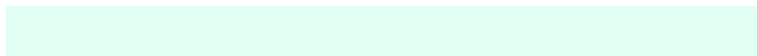
81.8258, 0.2858, 0.3164

Complementary

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



81.8258, 0.3251, 0.3172



94.1452, 0.3018, 0.3411

Split Complementary

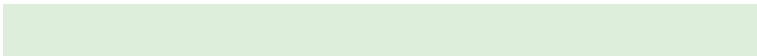
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8258, 0.2900, 0.3286



81.8258, 0.3251, 0.3172



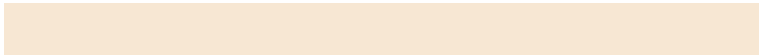
81.8258, 0.3139, 0.3505

Square

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



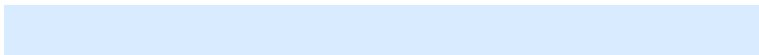
81.8258, 0.3251, 0.3172



81.8258, 0.3373, 0.3499



81.8258, 0.3002, 0.3412



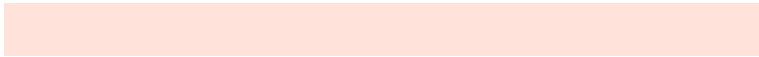
81.8258, 0.2886, 0.3079

Rectangle

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



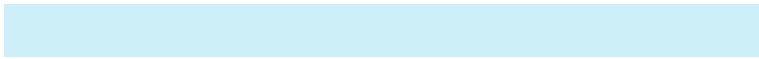
81.8258, 0.3251, 0.3172



81.8258, 0.3398, 0.3369



81.8258, 0.3002, 0.3412



81.8258, 0.2864, 0.3201

Sweetspot

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



81.8294, 0.3251, 0.3172



94.9306, 0.3157, 0.3260



80.6568, 0.3059, 0.3002



20.0363, 0.3166, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

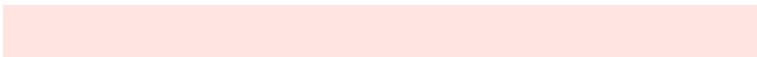
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8294, 0.3251, 0.3172



78.0256, 0.3284, 0.3143



82.4692, 0.3329, 0.3315



18.1119, 0.3229, 0.3192



11.6770, 0.5325, 0.2707



1.1581, 0.5029, 0.2544

Inverse Universe

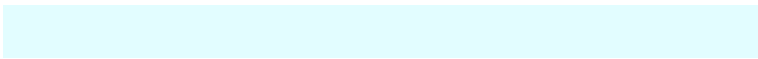
The Inverse Universe completely reimagines the original color for something new.



81.8294, 0.3251, 0.3172



78.0256, 0.3284, 0.3143



93.3640, 0.2952, 0.3265



18.1119, 0.3229, 0.3192



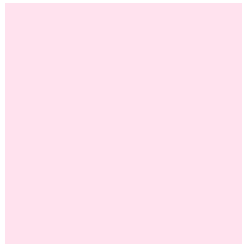
11.6770, 0.5325, 0.2707



1.1581, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 81.8258, 0.3251, 0.3172 looks on a white background.

Color Contrast Check

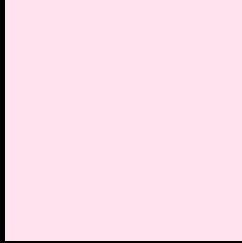
Large Text (above 18pt) WCAG AA × Fail

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 81.8258, 0.3251, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

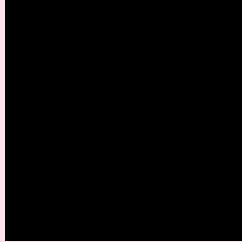
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8258, 0.3251, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 81.8258, 0.3251, 0.3172.

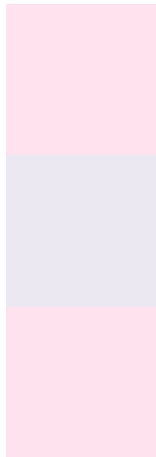


This preview shows how white text looks on a background with the Yxy color 81.8258, 0.3251, 0.3172.

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

81.8258, 0.3251, 0.3172

Protanopia

81.7862, 0.3085, 0.3188

Deuteranopia

81.6366, 0.3244, 0.3172



Tritanopia

82.1238, 0.3218, 0.3123

Trichromacy



Original Color

81.8258, 0.3251, 0.3172

Protanomaly

81.8217, 0.3139, 0.3179

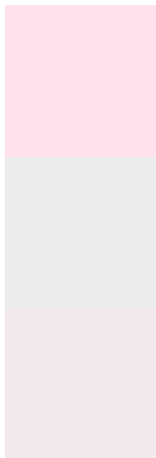
Deuteranomaly

81.6366, 0.3244, 0.3172

Tritanomaly

82.0036, 0.3231, 0.3143

Monochromacy



Original Color

81.8258, 0.3251, 0.3172

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.8823, 0.3170, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8258, 0.3251, 0.3172 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, 226, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 238)  
}
```

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, 226, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.8258, 0.3251, 0.3172 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, 226, 238) }
```

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

```
.border{ border-color:rgb(255, 226, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8258, 0.3251, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 238) }
```

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

```
.background{ background-color: rgb(255,  
226, 238) }
```

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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