

Converting Colors

$Y_{xy}(83.8022, 0.3157, 0.3220)$

Have a look what the booklet for
Yxy(83.8022, 0.3157, 0.3220)
contains.

Yxy(83.8022, 0.3157, 0.3220)	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(83.8022, 0.3157, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	F4E9F0
RGB	244, 233, 240
RGB Percent	96%, 91%, 94%
CMY	0.0433, 0.0862, 0.0588
CMYK	0.00, 0.04, 0.02, 0.04
HSL	322°, 33%, 94%
HSV	322°, 4%, 96%
XYZ	82.1626, 83.8022, 94.2905
YIQ	237.0870, 4.3090, 4.5090

Conversions

Conversions Part 2

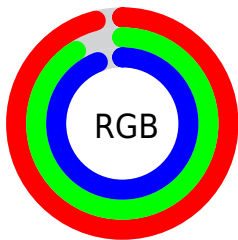
Format	Color
RYB	244, 233, 240
Decimal	16050672
CIELab	93.36, 4.90, -2.07
CIELCh	93, 5.323, 337.070
Yxy	83.8022, 0.3157, 0.3220
Android (android.graphics.Color)	4294240752 (0xFFFF4E9F0)
YUV	237.0870, 1.4361, 6.0627
Hunter-Lab	91.5435, 0.0070, 3.0114

Details

The Yxy color **83.8022, 0.3157, 0.3220** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1092, 0.3098, 0.3361**, and the grayscale version is **84.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5963, 0.3166, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **70.4239, 0.3233, 0.3058**, and if you desaturate by 10%, it is **97.5709, 0.3094, 0.3350**.

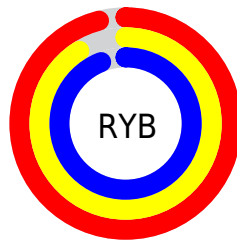
Distribution



Red (96%)

Green (91%)

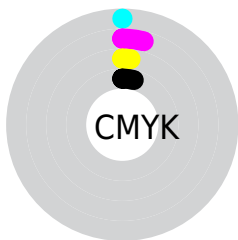
Blue (94%)



Red (96%)

Yellow (91%)

Blue (94%)

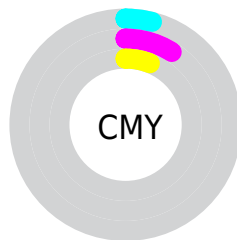


Cyan (0%)

Magenta (4%)

Yellow (2%)

Black (4%)



Cyan (4%)


Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8022, 0.3157, 0.3220 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 83.8022, 0.3157, 0.3220 by changing the saturation by 10% instead.


 83.8022, 0.3157,
0.3220

 83.8022, 0.3157,
0.3220


507.6562, 0.3144,
0.3252

 62.8521, 0.3160,
0.3213


138.6984, 0.3152,
0.3231

 45.7216, 0.3164,
0.3204


173.4134, 0.3151,
0.3235

 32.0262, 0.3168,
0.3194


213.4855, 0.3149,
0.3239

 21.3815, 0.3174,
0.3180

259.2991, 0.3148,
0.3242

 13.4032, 0.3181,
0.3162

311.2385, 0.3147,
0.3245

 7.7067, 0.3192,
0.3137

369.6883, 0.3145,

 3.9079, 0.3208,

0.3247

0.3099

435.0327, 0.3145,
0.3249

■ 1.6222, 0.3234,
0.3036

■ 0.3725, 0.3392,
0.2667

■ 83.8022, 0.3157,
0.3220

■ 83.8022, 0.3157,
0.3220

■ 70.4239, 0.3233,
0.3058

■ 97.5709, 0.3094,
0.3350

■ 58.8984, 0.3322,
0.2890

■ 97.9637, 0.3059,
0.3290

■ 49.1458, 0.3427,
0.2720

■ 41.0762, 0.3548,
0.2556

■ 34.5915, 0.3685,
0.2407

■ 29.5837, 0.3835,
0.2284

■ 25.9310, 0.3995,
0.2199

■ 23.4920, 0.4158,
0.2161

■ 22.0936, 0.4318,
0.2175

Harmonies

Analogous

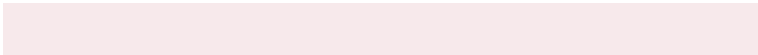
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8022, 0.3095, 0.3191



83.8022, 0.3157, 0.3220



83.8022, 0.3211, 0.3268

Triad

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



83.8022, 0.3157, 0.3220



83.8022, 0.3212, 0.3394



83.8022, 0.3013, 0.3257

Complementary

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



83.8022, 0.3157, 0.3220



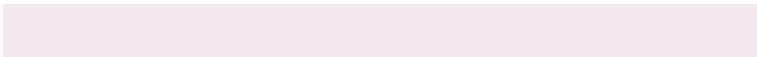
88.1092, 0.3098, 0.3361

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.



83.8022, 0.3044, 0.3312



83.8022, 0.3157, 0.3220



83.8022, 0.3159, 0.3392

Square

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



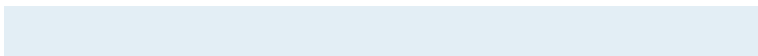
83.8022, 0.3157, 0.3220



83.8022, 0.3244, 0.3368



83.8022, 0.3097, 0.3362



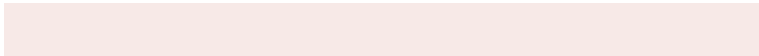
83.8022, 0.3012, 0.3211

Rectangle

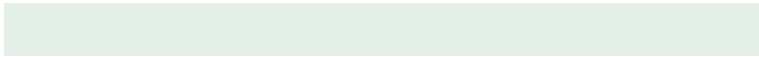
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8022, 0.3157, 0.3220



83.8022, 0.3236, 0.3304



83.8022, 0.3097, 0.3362



83.8022, 0.3020, 0.3275

Sweetspot

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



83.8058, 0.3157, 0.3220



98.3247, 0.3134, 0.3275



82.7966, 0.3085, 0.3179



21.0632, 0.3133, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

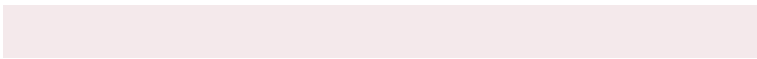
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8058, 0.3157, 0.3220



91.8408, 0.3161, 0.3212



83.4925, 0.3191, 0.3274



17.7912, 0.3166, 0.3201



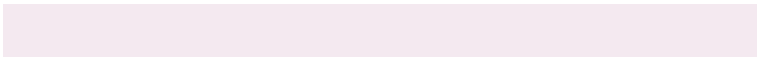
11.7917, 0.4381, 0.2187



1.0560, 0.4195, 0.2084

Inverse Universe

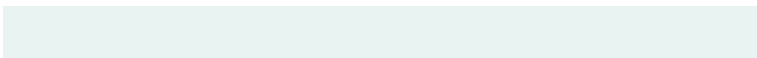
The Inverse Universe completely reimagines the original color for something new.



83.8058, 0.3157, 0.3220



91.8408, 0.3161, 0.3212



88.4266, 0.3067, 0.3306



17.7912, 0.3166, 0.3201



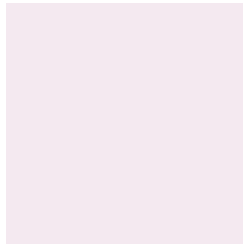
11.7917, 0.4381, 0.2187



1.0560, 0.4195, 0.2084

Previews

White Background



This preview shows how the Yxy color 83.8022, 0.3157, 0.3220 looks on a white background.

Color Contrast Check

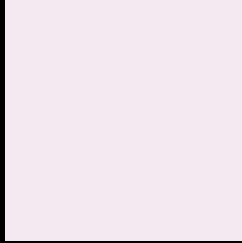
Large Text (above 18pt) WCAG AA × Fail

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 83.8022, 0.3157, 0.3220 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

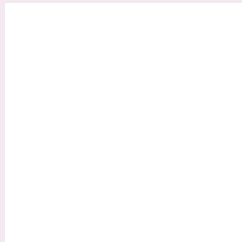
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8022, 0.3157, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 83.8022, 0.3157, 0.3220.

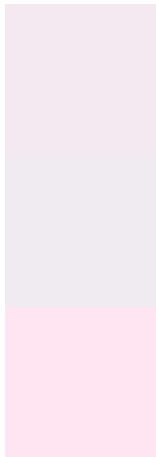


This preview shows how white text looks on a background with the Yxy color 83.8022, 0.3157, 0.3220.

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

83.8022, 0.3157, 0.3220

Protanopia

84.1183, 0.3117, 0.3229

Deuteranopia

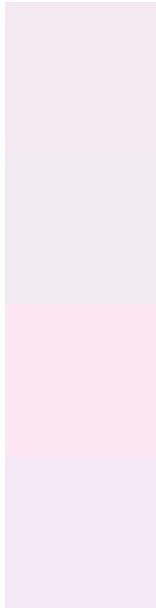
83.6495, 0.3229, 0.3173



Tritanopia

83.4664, 0.3102, 0.3102

Trichromacy



Original Color

83.8022, 0.3157, 0.3220

Protanomaly

83.8973, 0.3130, 0.3220

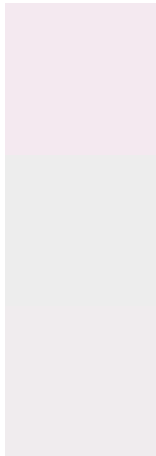
Deuteranomaly

83.4537, 0.3201, 0.3181

Tritanomaly

83.7795, 0.3127, 0.3151

Monochromacy



Original Color

83.8022, 0.3157, 0.3220

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6892, 0.3141, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8022, 0.3157, 0.3220 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(244, 233, 240) looks like.

```
.text, #text, p{  
    color:rgb(244, 233, 240)  
}
```

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(244, 233, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 233, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.8022, 0.3157, 0.3220 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(244, 233, 240) }
```

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

```
.border{ border-color:rgb(244, 233, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 233, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(244, 233,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8022, 0.3157, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 233, 240) }
```

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

```
.background{ background-color: rgb(244,  
233, 240) }
```

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