

Converting Colors

$Y_{xy}(83.2897, 0.3225, 0.3250)$

Have a look what the booklet for
Yxy(83.2897, 0.3225, 0.3250)
contains.

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Color

Yxy(83.2897, 0.3225, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	F9E7EB
RGB	249, 231, 235
RGB Percent	98%, 91%, 92%
CMY	0.0234, 0.0941, 0.0783
CMYK	0.00, 0.07, 0.06, 0.02
HSL	347°, 60%, 94%
HSV	347°, 7%, 98%
XYZ	82.6490, 83.2897, 90.3373
YIQ	236.8380, 9.4440, 5.0600

Conversions

Conversions Part 2

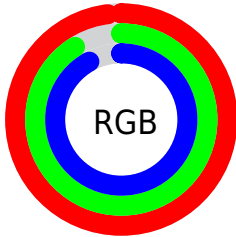
Format	Color
R _Y B	249, 231, 235
Decimal	16377835
CIE Lab	93.14, 6.80, 0.24
CIE LCh	93, 6.808, 2.046
Yxy	83.2897, 0.3225, 0.3250
Android (android.graphics.Color)	4294567915 (0xFF9E7EB)
YUV	236.8380, -0.9061, 10.6661
Hunter-Lab	91.2632, 1.9411, 5.1958

Details

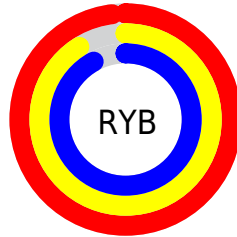
The Yxy color **83.2897, 0.3225, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.3506, 0.3038, 0.3330**, and the grayscale version is **84.5647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2521, 0.3254, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **69.2736, 0.3387, 0.3192**, and if you desaturate by 10%, it is **98.8443, 0.3094, 0.3296**.

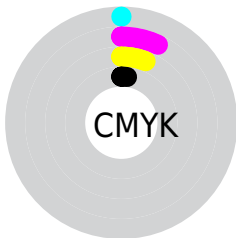
Distribution



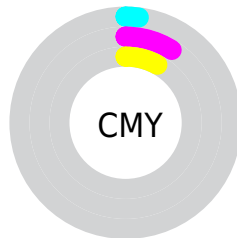
- Red (98%)
- Green (91%)
- Blue (92%)



- Red (98%)
- Yellow (91%)
- Blue (92%)



- Cyan (0%)
- Magenta (7%)
- Yellow (6%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2897, 0.3225, 0.3250 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 83.2897, 0.3225, 0.3250 by changing the saturation by 10% instead.

 83.2897, 0.3225,
0.3250

 83.2897, 0.3225,
0.3250


505.9515, 0.3181,
0.3268

 62.4292, 0.3235,
0.3246


137.9811, 0.3210,
0.3256

 45.3796, 0.3247,
0.3241


172.5808, 0.3204,
0.3259

 31.7565, 0.3262,
0.3235


212.5290, 0.3199,
0.3261

 21.1756, 0.3282,
0.3227

258.2101, 0.3194,
0.3263

 13.2524, 0.3308,
0.3216

310.0085, 0.3190,
0.3264

 7.6026, 0.3345,
0.3200

368.3086, 0.3187,

 3.8417, 0.3400,

0.3266

0.3177

433.4948, 0.3184,
0.3267

■ 1.5854, 0.3494,
0.3138

■ 0.3477, 0.4118,
0.2883

■ 83.2897, 0.3225,
0.3250

■ 83.2897, 0.3225,
0.3250

■ 69.2736, 0.3387,
0.3192

■ 98.8443, 0.3094,
0.3296

■ 57.2713, 0.3588,
0.3130

■ 98.8854, 0.3090,
0.3290

■ 47.1932, 0.3834,
0.3069

■ 38.9386, 0.4131,
0.3013

■ 32.3977, 0.4480,
0.2968

■ 27.4486, 0.4870,
0.2945

■ 23.9535, 0.5278,
0.2953

■ 21.7505, 0.5662,
0.3000

■ 20.6316, 0.5977,
0.3083

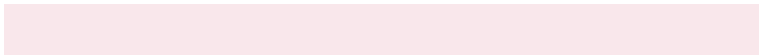
Harmonies

Analogous

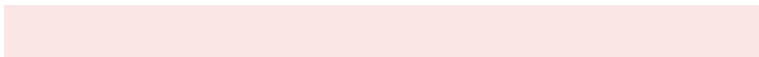
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2897, 0.3152, 0.3192



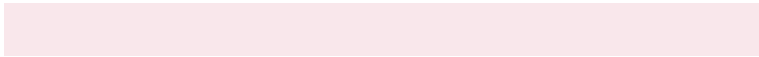
83.2897, 0.3225, 0.3250



83.2897, 0.3272, 0.3319

Triad

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



83.2897, 0.3225, 0.3250



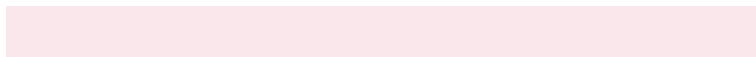
83.2897, 0.3180, 0.3424



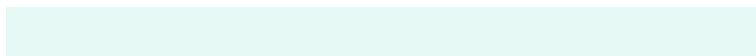
83.2897, 0.2977, 0.3197

Complementary

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



83.2897, 0.3225, 0.3250



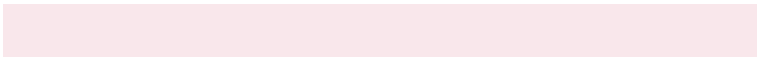
91.3506, 0.3038, 0.3330

Split Complementary

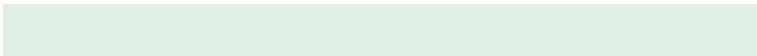
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2897, 0.2985, 0.3259



83.2897, 0.3225, 0.3250



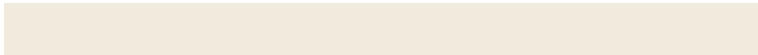
83.2897, 0.3101, 0.3391

Square

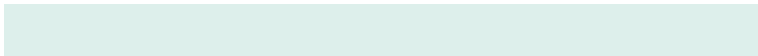
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2897, 0.3225, 0.3250



83.2897, 0.3246, 0.3420



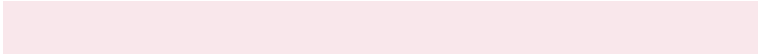
83.2897, 0.3030, 0.3330



83.2897, 0.3009, 0.3161

Rectangle

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



83.2897, 0.3225, 0.3250



83.2897, 0.3282, 0.3362



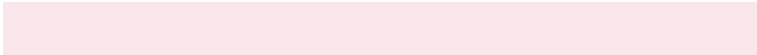
83.2897, 0.3030, 0.3330



83.2897, 0.2975, 0.3215

Sweetspot

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



83.2933, 0.3225, 0.3250



96.5367, 0.3153, 0.3279



83.3702, 0.3107, 0.3111



20.6991, 0.3151, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

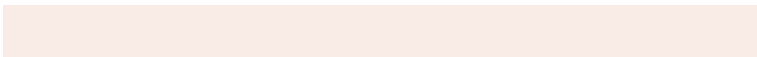
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2933, 0.3225, 0.3250



85.1265, 0.3251, 0.3240



85.7923, 0.3247, 0.3338



17.2888, 0.3259, 0.3237



10.9491, 0.6013, 0.3086



1.0293, 0.5689, 0.2907

Inverse Universe

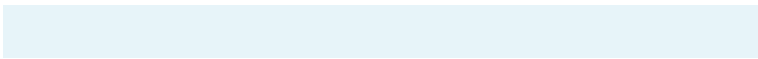
The Inverse Universe completely reimagines the original color for something new.



83.2933, 0.3225, 0.3250



85.1265, 0.3251, 0.3240



88.6637, 0.3015, 0.3241



17.2888, 0.3259, 0.3237



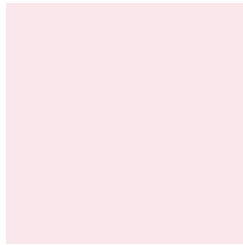
10.9491, 0.6013, 0.3086



1.0293, 0.5689, 0.2907

Previews

White Background



This preview shows how the Yxy color 83.2897, 0.3225, 0.3250 looks on a white background.

Color Contrast Check

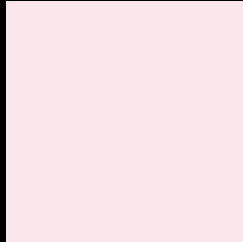
Large Text (above 18pt) WCAG AA × Fail

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 83.2897, 0.3225, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

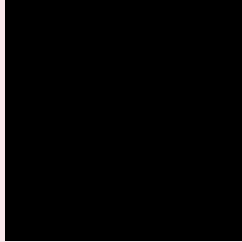
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2897, 0.3225, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 83.2897, 0.3225, 0.3250.

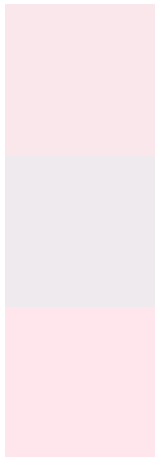


This preview shows how white text looks on a background with the Yxy color 83.2897, 0.3225, 0.3250.

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

83.2897, 0.3225, 0.3250

Protanopia

83.3108, 0.3142, 0.3260

Deuteranopia

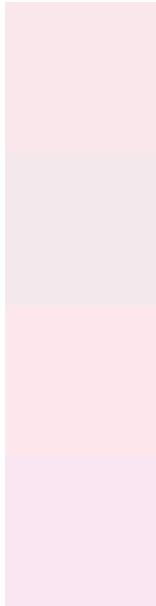
83.3548, 0.3262, 0.3221



Tritanopia

83.2633, 0.3163, 0.3113

Trichromacy



Original Color

83.2897, 0.3225, 0.3250

Protanomaly

83.3886, 0.3176, 0.3260

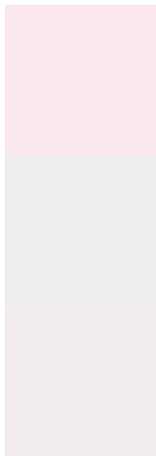
Deuteranomaly

83.5324, 0.3247, 0.3231

Tritanomaly

83.3887, 0.3181, 0.3162

Monochromacy



Original Color

83.2897, 0.3225, 0.3250

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.1736, 0.3161, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2897, 0.3225, 0.3250 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(249, 231, 235)` looks like.

```
.text, #text, p{  
    color:rgb(249, 231, 235)  
}
```

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(249, 231, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 231, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.2897, 0.3225, 0.3250 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(249, 231, 235) }
```

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

```
.border{ border-color:rgb(249, 231, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 231, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(249, 231,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2897, 0.3225, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 231, 235) }
```

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

```
.background{ background-color: rgb(249,  
231, 235) }
```

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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