

Converting Colors

$Yxy(83.6634, 0.3247, 0.3203)$

Have a look what the booklet for
Yxy(83.6634, 0.3247, 0.3203)
contains.

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Color

Yxy(83.4717, 0.3249, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5EE
RGB	255, 229, 238
RGB Percent	100%, 90%, 93%
CMY	0.0000, 0.1020, 0.0668
CMYK	0.00, 0.10, 0.07, 0.00
HSL	339°, 100%, 95%
HSV	339°, 10%, 100%
XYZ	84.6969, 83.4717, 92.5175
YIQ	237.8000, 12.6070, 8.3110

Conversions

Conversions Part 2

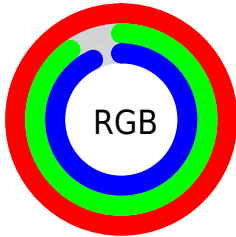
Format	Color
R _Y B	255, 229, 238
Decimal	16770542
CIE Lab	93.22, 10.37, -1.12
CIE LCh	93, 10.431, 353.837
Yxy	83.4717, 0.3249, 0.3202
Android (android.graphics.Color)	4294960622 (0xFFFFE5EE)
YUV	237.8000, 0.0986, 15.0844
Hunter-Lab	91.3628, 5.5915, 3.9147

Details

The Yxy color **83.4717, 0.3249, 0.3202** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.8330, 0.3019, 0.3380**, and the grayscale version is **85.3257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6553, 0.3275, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **69.4433, 0.3395, 0.3110**, and if you desaturate by 10%, it is **99.6595, 0.3129, 0.3288**.

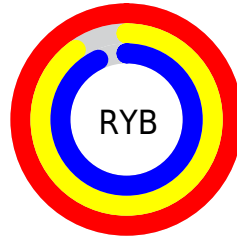
Distribution



Red (100%)

Green (90%)

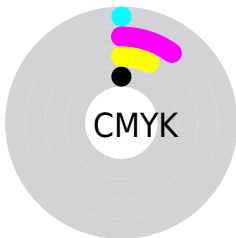
Blue (93%)



Red (100%)

Yellow (90%)

Blue (93%)

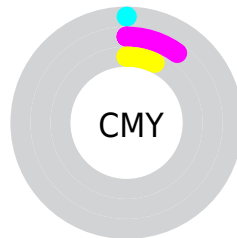


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4717, 0.3249, 0.3202 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 83.4717, 0.3249, 0.3202 by changing the saturation by 10% instead.


 83.4717, 0.3249,
0.3202

 83.4717, 0.3249,
0.3202

506.5572, 0.3194,
0.3242

 62.5794, 0.3261,
0.3193


138.2359, 0.3230,
0.3216

 45.5010, 0.3276,
0.3182


172.8766, 0.3223,
0.3221

 31.8522, 0.3295,
0.3169


212.8688, 0.3216,
0.3225

 21.2487, 0.3319,
0.3152

258.5970, 0.3211,
0.3230

 13.3059, 0.3351,
0.3129

310.4455, 0.3206,
0.3233

 7.6395, 0.3396,
0.3097

368.7988, 0.3202,

 3.8652, 0.3464,

0.3236

0.3049

434.0413, 0.3198,
0.3239

■ 1.5984, 0.3578,
0.2969

■ 0.3565, 0.4184,
0.2520

■ 83.4717, 0.3249,
0.3202

■ 83.4717, 0.3249,
0.3202

■ 69.4433, 0.3395,
0.3110

99.6595, 0.3129,
0.3288

■ 57.4882, 0.3574,
0.3016

100.0000, 0.3127,
0.3290

■ 47.5049, 0.3790,
0.2922

■ 39.3862, 0.4047,
0.2837

■ 33.0144, 0.4345,
0.2768

■ 28.2581, 0.4675,
0.2729

■ 24.9673, 0.5020,
0.2733

■ 22.9632, 0.5354,
0.2787

■ 21.9654, 0.5645,
0.2883

Harmonies

Analogous

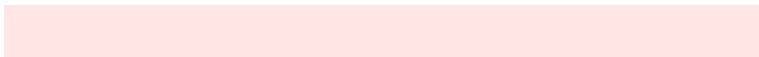
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4717, 0.3131, 0.3124



83.4717, 0.3249, 0.3202



83.4717, 0.3335, 0.3304

Triad

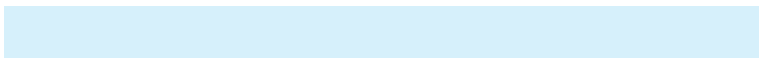
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4717, 0.3249, 0.3202



83.4717, 0.3239, 0.3501



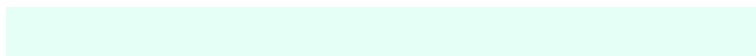
83.4717, 0.2896, 0.3169

Complementary

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



83.4717, 0.3249, 0.3202



94.8330, 0.3019, 0.3380

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.



83.4717, 0.2923, 0.3271



83.4717, 0.3249, 0.3202



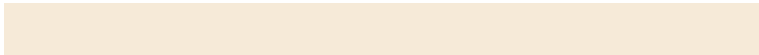
83.4717, 0.3120, 0.3465

Square

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



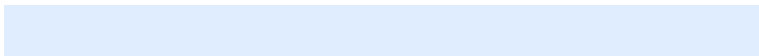
83.4717, 0.3249, 0.3202



83.4717, 0.3329, 0.3477



83.4717, 0.3005, 0.3380



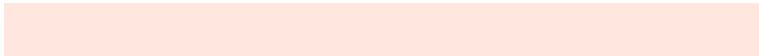
83.4717, 0.2928, 0.3103

Rectangle

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



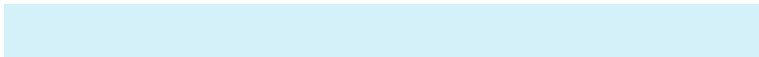
83.4717, 0.3249, 0.3202



83.4717, 0.3362, 0.3373



83.4717, 0.3005, 0.3380



83.4717, 0.2898, 0.3200

Sweetspot

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



83.4696, 0.3249, 0.3202



94.8974, 0.3160, 0.3265



82.8326, 0.3078, 0.3034



20.0273, 0.3170, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

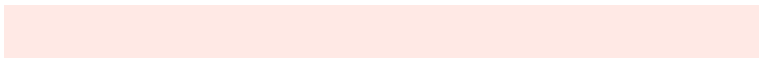
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4696, 0.3249, 0.3202



80.7828, 0.3273, 0.3186



85.1377, 0.3304, 0.3329



18.0906, 0.3240, 0.3208



11.5026, 0.5601, 0.2859



1.1396, 0.5285, 0.2685

Inverse Universe

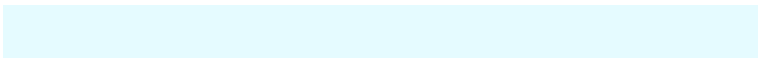
The Inverse Universe completely reimagines the original color for something new.



83.4696, 0.3249, 0.3202



80.7828, 0.3273, 0.3186



92.9346, 0.2969, 0.3251



18.0906, 0.3240, 0.3208



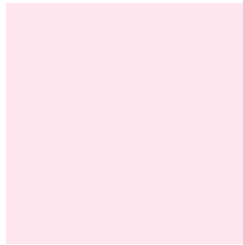
11.5026, 0.5601, 0.2859



1.1396, 0.5285, 0.2685

Previews

White Background



This preview shows how the Yxy color 83.4717, 0.3249, 0.3202 looks on a white background.

Color Contrast Check

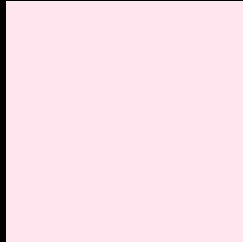
Large Text (above 18pt) WCAG AA × Fail

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 83.4717, 0.3249, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

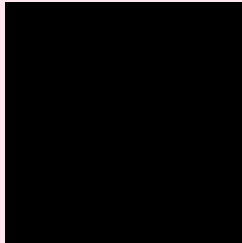
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4717, 0.3249, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 83.4717, 0.3249, 0.3202.

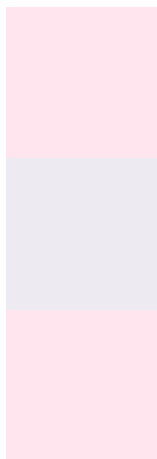


This preview shows how white text looks on a background with the Yxy color 83.4717, 0.3249, 0.3202.

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

83.4717, 0.3249, 0.3202

Protanopia

83.3737, 0.3110, 0.3219

Deuteranopia

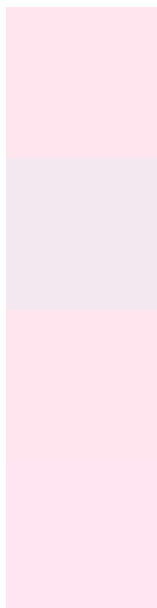
83.4717, 0.3249, 0.3202



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.4717, 0.3249, 0.3202

Protanomaly

83.2376, 0.3158, 0.3210

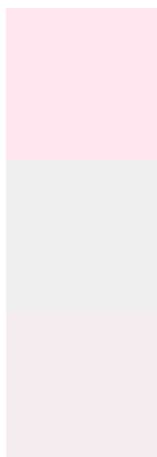
Deuteranomaly

83.4717, 0.3249, 0.3202

Tritanomaly

83.1576, 0.3223, 0.3153

Monochromacy



Original Color

83.4717, 0.3249, 0.3202

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.8228, 0.3169, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4717, 0.3249, 0.3202 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, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.4717, 0.3249, 0.3202 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, 229, 238) }
```

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

```
.border{ border-color:rgb(255, 229, 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, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4717, 0.3249, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 238) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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