

Converting Colors

$Y_{xy}(100.0000, 0.3687, 0.3251)$

Have a look what the booklet for
Yxy(100.0000, 0.3687, 0.3251)
contains.

Yxy(85.7109, 0.3245, 0.3241)	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(85.7109, 0.3245, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9EE
RGB	255, 233, 238
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0863, 0.0666
CMYK	0.00, 0.09, 0.07, 0.00
HSL	346°, 100%, 96%
HSV	346°, 9%, 100%
XYZ	85.8167, 85.7109, 92.9306
YIQ	240.1480, 11.5070, 6.2190

Conversions

Conversions Part 2

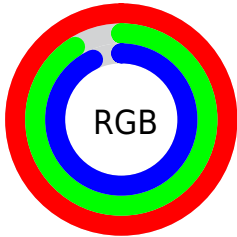
Format	Color
RYB	255, 233, 238
Decimal	16771566
CIELab	94.19, 8.31, 0.27
CIElCh	94, 8.314, 1.845
Yxy	85.7109, 0.3245, 0.3241
Android (android.graphics.Color)	4294961646 (0xFFFFE9EE)
YUV	240.1480, -1.0590, 13.0252
Hunter-Lab	92.5802, 3.4443, 5.2917

Details

The Yxy color **85.7109, 0.3245, 0.3241** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.7442, 0.3021, 0.3340**, and the grayscale version is **87.2633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8274, 0.3271, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **71.2094, 0.3411, 0.3181**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

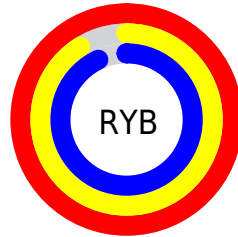
Distribution



Red (100%)

Green (91%)

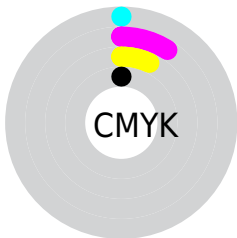
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

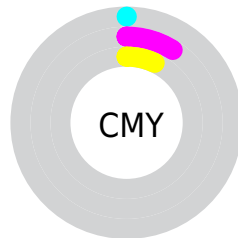


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7109, 0.3245, 0.3241 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 85.7109, 0.3245, 0.3241 by changing the saturation by 10% instead.

 85.7109, 0.3245,
0.3241

 85.7109, 0.3245,
0.3241


513.9775, 0.3192,
0.3263

 64.4289, 0.3257,
0.3236


141.3660, 0.3227,
0.3249

 46.9982, 0.3271,
0.3230


176.5079, 0.3220,
0.3252

 33.0342, 0.3289,
0.3222


217.0386, 0.3214,
0.3254

 22.1527, 0.3312,
0.3213

263.3424, 0.3208,
0.3256

 13.9691, 0.3343,
0.3200

315.8039, 0.3203,
0.3258

 8.0992, 0.3386,
0.3182

374.8072, 0.3199,

 4.1585, 0.3451,

0.3260

0.3154

440.7370, 0.3195,
0.3262

■ 1.7626, 0.3558,
0.3109

■ 0.4637, 0.4039,
0.2910

■ 85.7109, 0.3245,
0.3241

■ 85.7109, 0.3245,
0.3241

■ 71.2094, 0.3411,
0.3181

100.0000, 0.3127,
0.3290

■ 58.8251, 0.3617,
0.3118

■ 48.4606, 0.3869,
0.3056

■ 40.0079, 0.4171,
0.2999

■ 33.3492, 0.4525,
0.2956

■ 28.3534, 0.4918,
0.2935

■ 24.8716, 0.5323,
0.2949

■ 22.7276, 0.5700,
0.3002

■ 21.6727, 0.6003,
0.3089

Harmonies

Analogous

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



85.7109, 0.3156, 0.3172



85.7109, 0.3245, 0.3241



85.7109, 0.3302, 0.3324

Triad

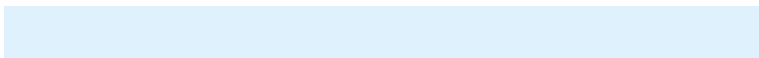
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7109, 0.3245, 0.3241



85.7109, 0.3192, 0.3453



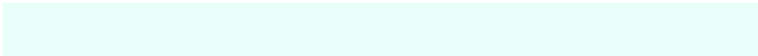
85.7109, 0.2946, 0.3178

Complementary

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



85.7109, 0.3245, 0.3241



95.7442, 0.3021, 0.3340

Split Complementary

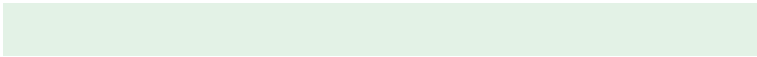
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7109, 0.2955, 0.3252



85.7109, 0.3245, 0.3241



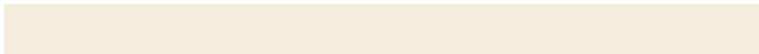
85.7109, 0.3096, 0.3413

Square

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



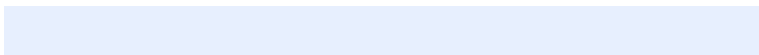
85.7109, 0.3245, 0.3241



85.7109, 0.3271, 0.3447



85.7109, 0.3010, 0.3339



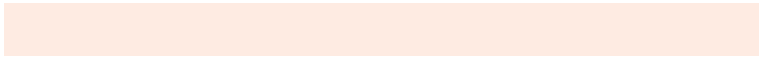
85.7109, 0.2984, 0.3135

Rectangle

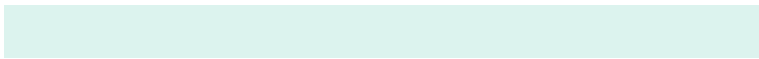
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



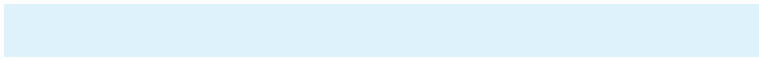
85.7109, 0.3245, 0.3241



85.7109, 0.3314, 0.3376



85.7109, 0.3010, 0.3339



85.7109, 0.2944, 0.3200

Sweetspot

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



85.7130, 0.3245, 0.3241



94.8415, 0.3166, 0.3273



85.7977, 0.3103, 0.3076



20.0123, 0.3176, 0.3269



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

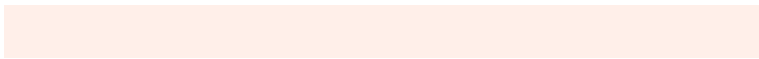
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7130, 0.3245, 0.3241



83.5929, 0.3266, 0.3233



88.7986, 0.3272, 0.3348



18.0551, 0.3258, 0.3236



11.2885, 0.6000, 0.3079



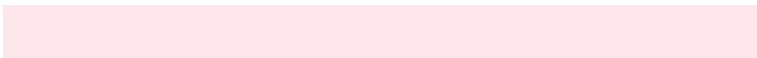
1.1149, 0.5692, 0.2909

Inverse Universe

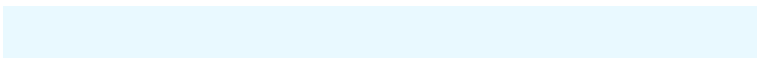
The Inverse Universe completely reimagines the original color for something new.



85.7130, 0.3245, 0.3241



83.5929, 0.3266, 0.3233



92.3777, 0.2993, 0.3231



18.0551, 0.3258, 0.3236



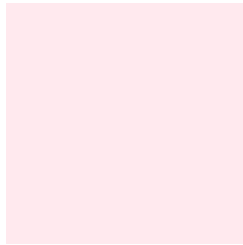
11.2885, 0.6000, 0.3079



1.1149, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 85.7109, 0.3245, 0.3241 looks on a white background.

Color Contrast Check

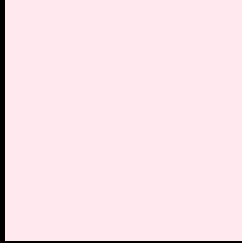
Large Text (above 18pt) WCAG AA × Fail

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 85.7109, 0.3245, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

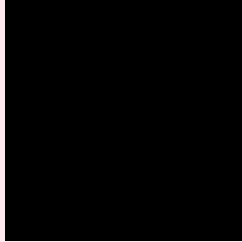
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

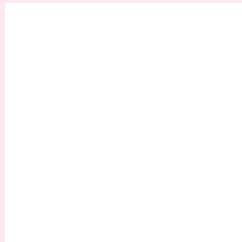
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7109, 0.3245, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 85.7109, 0.3245, 0.3241.

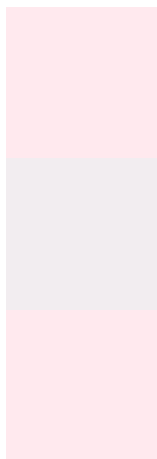


This preview shows how white text looks on a background with the Yxy color 85.7109, 0.3245, 0.3241.

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

85.7109, 0.3245, 0.3241

Protanopia

85.7369, 0.3142, 0.3260

Deuteranopia

85.7109, 0.3245, 0.3241



Tritanopia

85.7505, 0.3182, 0.3135

Trichromacy



Original Color

85.7109, 0.3245, 0.3241

Protanomaly

85.9971, 0.3182, 0.3260

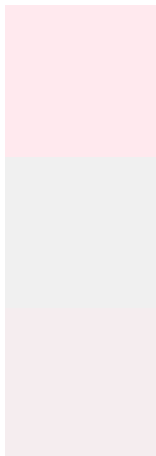
Deuteranomaly

85.7109, 0.3245, 0.3241

Tritanomaly

85.5049, 0.3207, 0.3173

Monochromacy



Original Color

85.7109, 0.3245, 0.3241

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.2128, 0.3168, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7109, 0.3245, 0.3241 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, 233, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.7109, 0.3245, 0.3241 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, 233, 238) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7109, 0.3245, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 238) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

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