

Converting Colors

$Y_{xy}(85.3097, 0.3231, 0.3210)$

Have a look what the booklet for
Yxy(85.3097, 0.3231, 0.3210)
contains.

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Color

Yxy(85.2645, 0.3233, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8F0
RGB	255, 232, 240
RGB Percent	100%, 91%, 94%
CMY	0.0000, 0.0902, 0.0588
CMYK	0.00, 0.09, 0.06, 0.00
HSL	339°, 100%, 95%
HSV	339°, 9%, 100%
XYZ	85.8220, 85.2645, 94.3696
YIQ	239.7890, 11.1400, 7.3640

Conversions

Conversions Part 2

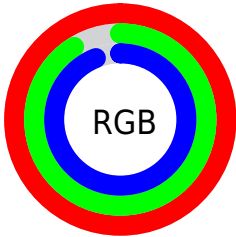
Format	Color
R _Y B	255, 232, 240
Decimal	16771312
CIE Lab	94.00, 9.15, -1.04
CIE LCh	94, 9.204, 353.531
Yxy	85.2645, 0.3233, 0.3212
Android (android.graphics.Color)	4294961392 (0xFFFFE8F0)
YUV	239.7890, 0.1040, 13.3400
Hunter-Lab	92.3388, 4.3095, 4.0431

Details

The Yxy color **85.2645, 0.3233, 0.3212** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **95.3883, 0.3032, 0.3369**, and the grayscale version is **86.9582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5171, 0.3255, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **70.9945, 0.3376, 0.3120**, and if you desaturate by 10%, it is **99.9986, 0.3127, 0.3290**.

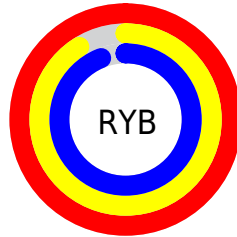
Distribution



Red (100%)

Green (91%)

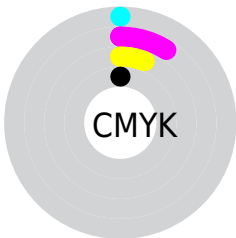
Blue (94%)



Red (100%)

Yellow (91%)

Blue (94%)

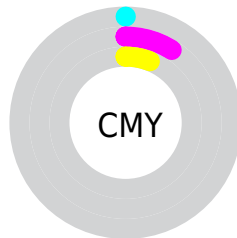


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2645, 0.3233, 0.3212 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 85.2645, 0.3233, 0.3212 by changing the saturation by 10% instead.


 85.2645, 0.3233,
0.3212

 85.2645, 0.3233,
0.3212


512.5029, 0.3185,
0.3247

 64.0600, 0.3244,
0.3204


140.7427, 0.3217,
0.3224

 46.6992, 0.3256,
0.3195


175.7851, 0.3210,
0.3229

 32.7980, 0.3273,
0.3183


216.2089, 0.3205,
0.3233

 21.9717, 0.3293,
0.3168

262.3985, 0.3200,
0.3236

 13.8361, 0.3321,
0.3148

314.7383, 0.3196,
0.3239

 8.0068, 0.3359,
0.3120

373.6127, 0.3192,

 4.0993, 0.3417,

0.3242

0.3078

439.4061, 0.3189,
0.3245

■ 1.7293, 0.3512,
0.3010

■ 0.4425, 0.3924,
0.2697

■ 85.2645, 0.3233,
0.3212

■ 85.2645, 0.3233,
0.3212

■ 70.9945, 0.3376,
0.3120

99.9986, 0.3127,
0.3290

■ 58.8023, 0.3550,
0.3025

■ 48.5936, 0.3760,
0.2931

■ 40.2619, 0.4012,
0.2843

■ 33.6909, 0.4303,
0.2771

■ 28.7514, 0.4629,
0.2728

■ 25.2957, 0.4972,
0.2726

■ 23.1494, 0.5308,
0.2773

■ 22.0560, 0.5608,
0.2868

Harmonies

Analogous

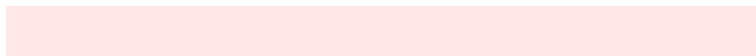
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2645, 0.3130, 0.3143



85.2645, 0.3233, 0.3212



85.2645, 0.3309, 0.3302

Triad

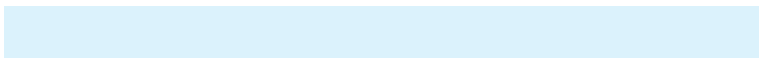
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2645, 0.3233, 0.3212



85.2645, 0.3226, 0.3474



85.2645, 0.2924, 0.3185

Complementary

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



85.2645, 0.3233, 0.3212



95.3883, 0.3032, 0.3369

Split Complementary

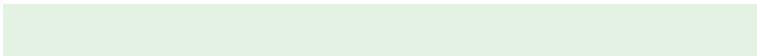
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2645, 0.2949, 0.3274



85.2645, 0.3233, 0.3212



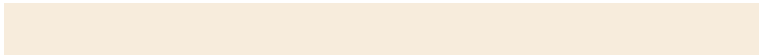
85.2645, 0.3122, 0.3444

Square

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



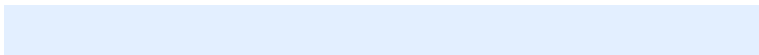
85.2645, 0.3233, 0.3212



85.2645, 0.3304, 0.3454



85.2645, 0.3021, 0.3370



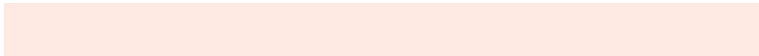
85.2645, 0.2952, 0.3127

Rectangle

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



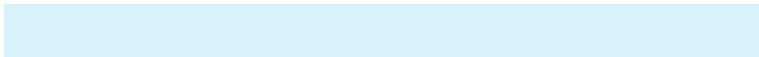
85.2645, 0.3233, 0.3212



85.2645, 0.3332, 0.3362



85.2645, 0.3021, 0.3370



85.2645, 0.2926, 0.3213

Sweetspot

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



85.2682, 0.3233, 0.3212



94.8985, 0.3160, 0.3265



84.7028, 0.3084, 0.3064



20.0276, 0.3169, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

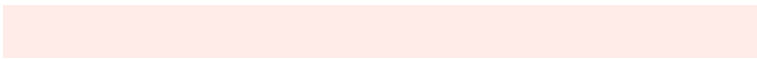
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2682, 0.3233, 0.3212



82.2677, 0.3259, 0.3194



86.7639, 0.3281, 0.3324



18.0913, 0.3239, 0.3208



11.5078, 0.5593, 0.2854



1.1402, 0.5277, 0.2681

Inverse Universe

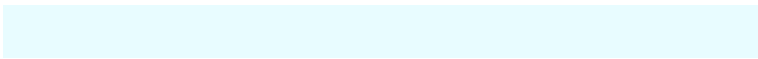
The Inverse Universe completely reimagines the original color for something new.



85.2682, 0.3233, 0.3212



82.2677, 0.3259, 0.3194



93.7123, 0.2987, 0.3255



18.0913, 0.3239, 0.3208



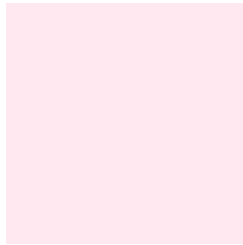
11.5078, 0.5593, 0.2854



1.1402, 0.5277, 0.2681

Previews

White Background



This preview shows how the Yxy color 85.2645, 0.3233, 0.3212 looks on a white background.

Color Contrast Check

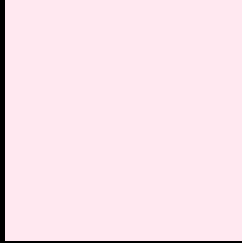
Large Text (above 18pt) WCAG AA × Fail

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 85.2645, 0.3233, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

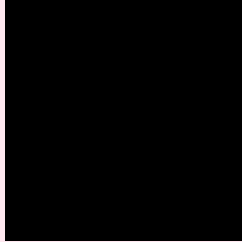
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

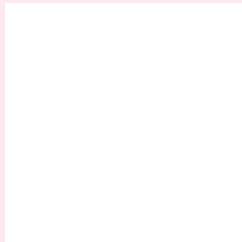
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2645, 0.3233, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 85.2645, 0.3233, 0.3212.

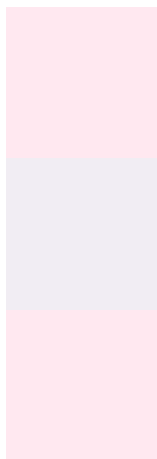


This preview shows how white text looks on a background with the Yxy color 85.2645, 0.3233, 0.3212.

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

85.2645, 0.3233, 0.3212

Protanopia

85.7402, 0.3117, 0.3230

Deuteranopia

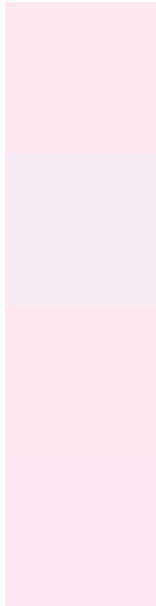
85.2645, 0.3233, 0.3212



Tritanopia

85.1891, 0.3182, 0.3125

Trichromacy



Original Color

85.2645, 0.3233, 0.3212

Protanomaly

85.4203, 0.3157, 0.3220

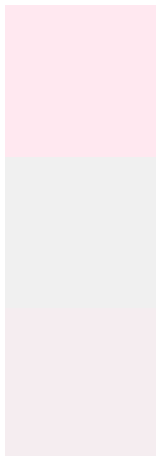
Deuteranomaly

85.2645, 0.3233, 0.3212

Tritanomaly

85.0044, 0.3202, 0.3154

Monochromacy



Original Color

85.2645, 0.3233, 0.3212

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.2721, 0.3162, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2645, 0.3233, 0.3212 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, 232, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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(255, 232, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 240) }
```

Border

The CSS property to change the border of an element to Yxy 85.2645, 0.3233, 0.3212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

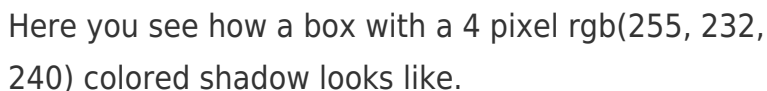
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 232, 240) }
```

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

```
.border{ border-color:rgb(255, 232, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 232, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2645, 0.3233, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 240) }
```

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

```
.background{ background-color: rgb(255,  
232, 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](#).

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