

Converting Colors

$Y_{xy}(83.7757, 0.3245, 0.3202)$

Have a look what the booklet for
Yxy(83.7757, 0.3245, 0.3202)
contains.

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Color

Yxy(84.0267, 0.3248, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6EE
RGB	255, 230, 238
RGB Percent	100%, 90%, 93%
CMY	0.0000, 0.0980, 0.0668
CMYK	0.00, 0.10, 0.07, 0.00
HSL	341°, 100%, 95%
HSV	341°, 10%, 100%
XYZ	84.9685, 84.0267, 92.6073
YIQ	238.3870, 12.3320, 7.7880

Conversions

Conversions Part 2

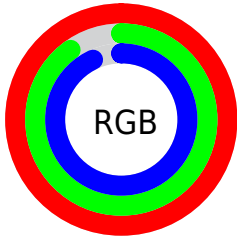
Format	Color
R _Y B	255, 230, 238
Decimal	16770798
CIE Lab	93.46, 9.84, -0.76
CIE LCh	93, 9.873, 355.559
Yxy	84.0267, 0.3248, 0.3212
Android (android.graphics.Color)	4294960878 (0xFFFE6EE)
YUV	238.3870, -0.1908, 14.5696
Hunter-Lab	91.6661, 5.0422, 4.2675

Details

The Yxy color **84.0267, 0.3248, 0.3212** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.0615, 0.3019, 0.3369**, and the grayscale version is **85.8095, 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 **69.8859, 0.3399, 0.3128**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

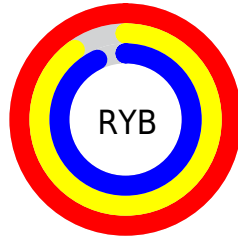
Distribution



Red (100%)

Green (90%)

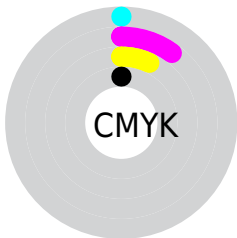
Blue (93%)



Red (100%)

Yellow (90%)

Blue (93%)

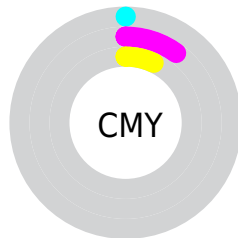


Cyan (0%)

Magenta (10%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0267, 0.3248, 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 84.0267, 0.3248, 0.3212 by changing the saturation by 10% instead.


 84.0267, 0.3248,
0.3212

 84.0267, 0.3248,
0.3212

508.4019, 0.3194,
0.3247

 63.0375, 0.3260,
0.3204


139.0125, 0.3229,
0.3224

 45.8715, 0.3275,
0.3195


173.7779, 0.3222,
0.3229

 32.1445, 0.3293,
0.3183


213.9042, 0.3216,
0.3233

 21.4719, 0.3317,
0.3167

259.7756, 0.3210,
0.3236

 13.4694, 0.3349,
0.3147

311.7768, 0.3205,
0.3240

 7.7525, 0.3394,
0.3118

370.2919, 0.3201,

 3.9370, 0.3461,

0.3242

0.3076

435.7055, 0.3197,
0.3245

■ 1.6384, 0.3573,
0.3005

■ 0.3833, 0.4145,
0.2628

■ 84.0267, 0.3248,
0.3212

■ 84.0267, 0.3248,
0.3212

■ 69.8859, 0.3399,
0.3128

100.0000, 0.3127,
0.3290

■ 57.8254, 0.3584,
0.3040

■ 47.7476, 0.3808,
0.2954

■ 39.5452, 0.4076,
0.2874

■ 33.1006, 0.4386,
0.2812

■ 28.2826, 0.4731,
0.2777

■ 24.9417, 0.5091,
0.2783

■ 22.8999, 0.5437,
0.2839

■ 21.8745, 0.5738,
0.2936

Harmonies

Analogous

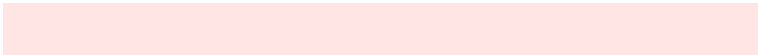
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0267, 0.3138, 0.3136



84.0267, 0.3248, 0.3212



84.0267, 0.3327, 0.3309

Triad

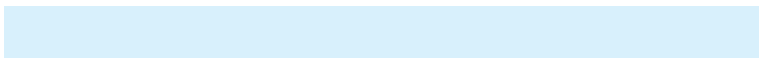
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0267, 0.3248, 0.3212



84.0267, 0.3226, 0.3488



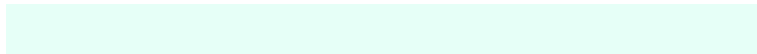
84.0267, 0.2909, 0.3172

Complementary

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



84.0267, 0.3248, 0.3212



95.0615, 0.3019, 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.



84.0267, 0.2932, 0.3266



84.0267, 0.3248, 0.3212



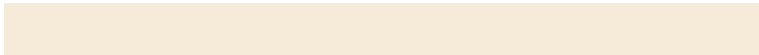
84.0267, 0.3114, 0.3452

Square

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



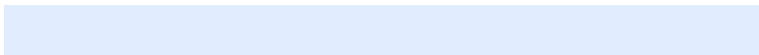
84.0267, 0.3248, 0.3212



84.0267, 0.3314, 0.3469



84.0267, 0.3006, 0.3369



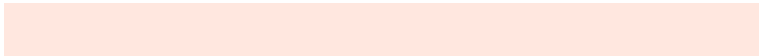
84.0267, 0.2943, 0.3111

Rectangle

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



84.0267, 0.3248, 0.3212



84.0267, 0.3350, 0.3374



84.0267, 0.3006, 0.3369



84.0267, 0.2910, 0.3200

Sweetspot

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



84.0285, 0.3248, 0.3212



94.8847, 0.3162, 0.3267



83.5310, 0.3083, 0.3044



20.0239, 0.3171, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

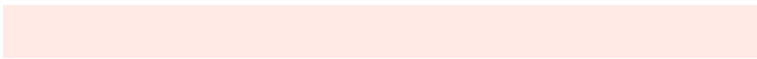
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0285, 0.3248, 0.3212



80.7359, 0.3279, 0.3194



85.9170, 0.3296, 0.3332



18.0825, 0.3244, 0.3214



11.4453, 0.5701, 0.2914



1.1333, 0.5381, 0.2738

Inverse Universe

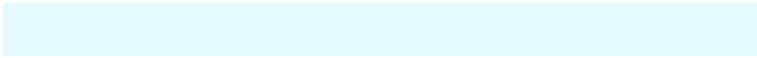
The Inverse Universe completely reimagines the original color for something new.



84.0285, 0.3248, 0.3212



80.7359, 0.3279, 0.3194



92.9349, 0.2975, 0.3248



18.0825, 0.3244, 0.3214



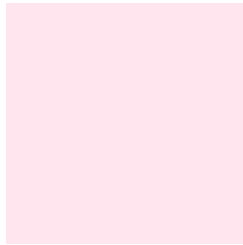
11.4453, 0.5701, 0.2914



1.1333, 0.5381, 0.2738

Previews

White Background



This preview shows how the Yxy color 84.0267, 0.3248, 0.3212 looks on a white background.

Color Contrast Check

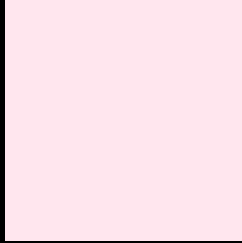
Large Text (above 18pt) WCAG AA × Fail

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 84.0267, 0.3248, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

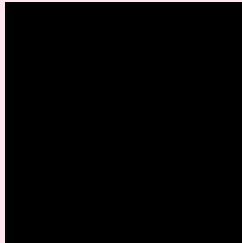
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0267, 0.3248, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 84.0267, 0.3248, 0.3212.

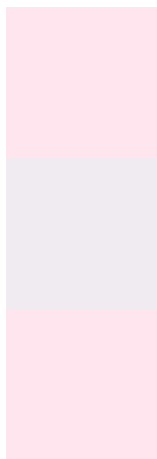


This preview shows how white text looks on a background with the Yxy color 84.0267, 0.3248, 0.3212.

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

84.0267, 0.3248, 0.3212

Protanopia

84.1183, 0.3117, 0.3229

Deuteranopia

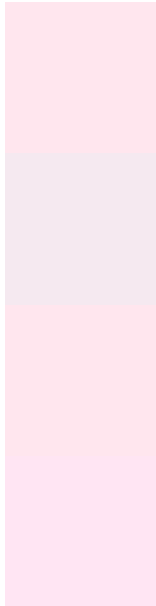
84.0267, 0.3248, 0.3212



Tritanopia

83.9524, 0.3196, 0.3124

Trichromacy



Original Color

84.0267, 0.3248, 0.3212

Protanomaly

83.9816, 0.3164, 0.3220

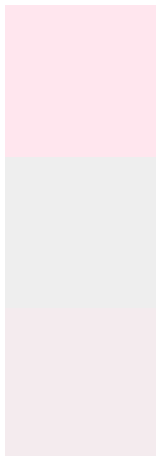
Deuteranomaly

84.0267, 0.3248, 0.3212

Tritanomaly

83.7697, 0.3216, 0.3153

Monochromacy



Original Color

84.0267, 0.3248, 0.3212

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 84.0267, 0.3248, 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, 230, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 238) }
```

Border

The CSS property to change the border of an element to Yxy 84.0267, 0.3248, 0.3212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

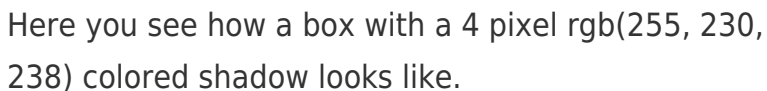
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 230, 238) }
```

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

```
.border{ border-color:rgb(255, 230, 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, 230, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 230, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 230, 238); box-shadow:4px 4px 4px 4px rgb(255, 230, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0267, 0.3248, 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, 230, 238) }
```

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

```
.background{ background-color: rgb(255,  
230, 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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