

Converting Colors

$Y_{xy}(83.9743, 0.3269, 0.3247)$

Have a look what the booklet for
Yxy(83.9743, 0.3269, 0.3247)
contains.

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Color

Yxy(83.8518, 0.3267, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6EB
RGB	255, 230, 235
RGB Percent	100%, 90%, 92%
CMY	0.0001, 0.0980, 0.0783
CMYK	0.00, 0.10, 0.08, 0.00
HSL	348°, 100%, 95%
HSV	348°, 10%, 100%
XYZ	84.5245, 83.8518, 90.3457
YIQ	238.0450, 13.2950, 6.8550

Conversions

Conversions Part 2

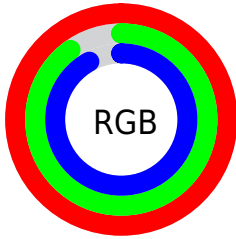
Format	Color
R _Y B	255, 230, 235
Decimal	16770795
CIE Lab	93.39, 9.33, 0.66
CIE LCh	93, 9.354, 4.044
Yxy	83.8518, 0.3267, 0.3241
Android (android.graphics.Color)	4294960875 (0xFFFFE6EB)
YUV	238.0450, -1.5012, 14.8695
Hunter-Lab	91.5706, 4.5162, 5.6025

Details

The Yxy color **83.8518, 0.3267, 0.3241** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.2211, 0.3003, 0.3340**, and the grayscale version is **85.5412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5325, 0.3300, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **69.5747, 0.3444, 0.3188**, and if you desaturate by 10%, it is **99.9929, 0.3127, 0.3290**.

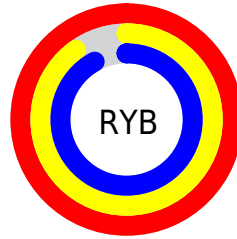
Distribution



Red (100%)

Green (90%)

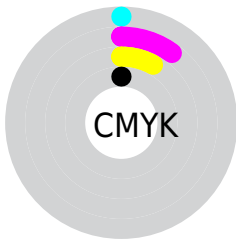
Blue (92%)



Red (100%)

Yellow (90%)

Blue (92%)

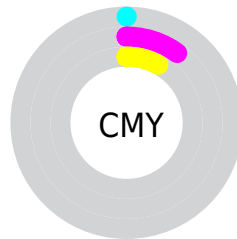


Cyan (0%)

Magenta (10%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8518, 0.3267, 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 83.8518, 0.3267, 0.3241 by changing the saturation by 10% instead.

 83.8518, 0.3267,
0.3241

 83.8518, 0.3267,
0.3241


507.8210, 0.3204,
0.3263

 62.8931, 0.3281,
0.3236


138.7678, 0.3245,
0.3249

 45.7547, 0.3298,
0.3230


173.4940, 0.3237,
0.3252

 32.0523, 0.3320,
0.3222


213.5780, 0.3230,
0.3254

 21.4015, 0.3348,
0.3212

259.4044, 0.3223,
0.3257

 13.4178, 0.3385,
0.3199

311.3575, 0.3217,
0.3259

 7.7169, 0.3438,
0.3180

369.8217, 0.3212,

 3.9143, 0.3517,

0.3260

0.3151

435.1814, 0.3208,
0.3262

■ 1.6257, 0.3650,
0.3102

■ 0.3749, 0.4422,
0.2838

■ 83.8518, 0.3267,
0.3241

■ 83.8518, 0.3267,
0.3241

■ 69.5747, 0.3444,
0.3188

99.9929, 0.3127,
0.3290

■ 57.4101, 0.3662,
0.3132

■ 47.2605, 0.3930,
0.3078

■ 39.0166, 0.4251,
0.3030

■ 32.5586, 0.4625,
0.2995

■ 27.7531, 0.5035,
0.2983

■ 24.4478, 0.5451,
0.3002

■ 22.4618, 0.5823,
0.3058

■ 21.5095, 0.6108,
0.3140

Harmonies

Analogous

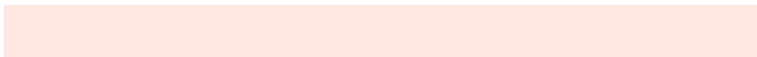
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8518, 0.3168, 0.3161



83.8518, 0.3267, 0.3241



83.8518, 0.3328, 0.3335

Triad

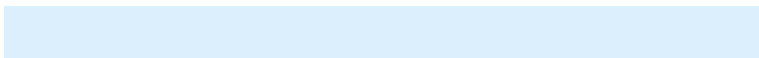
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8518, 0.3267, 0.3241



83.8518, 0.3192, 0.3473



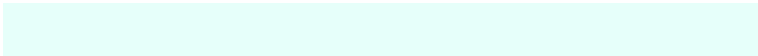
83.8518, 0.2924, 0.3158

Complementary

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



83.8518, 0.3267, 0.3241



95.2211, 0.3003, 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.



83.8518, 0.2930, 0.3240



83.8518, 0.3267, 0.3241



83.8518, 0.3084, 0.3425

Square

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



83.8518, 0.3267, 0.3241



83.8518, 0.3285, 0.3470



83.8518, 0.2988, 0.3338



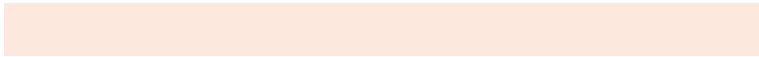
83.8518, 0.2971, 0.3112

Rectangle

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



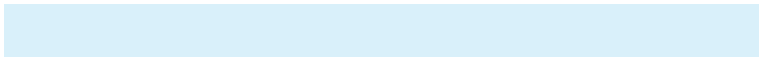
83.8518, 0.3267, 0.3241



83.8518, 0.3339, 0.3393



83.8518, 0.2988, 0.3338



83.8518, 0.2920, 0.3182

Sweetspot

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



83.8555, 0.3267, 0.3241



94.8282, 0.3167, 0.3275



84.0629, 0.3102, 0.3046



20.0087, 0.3178, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

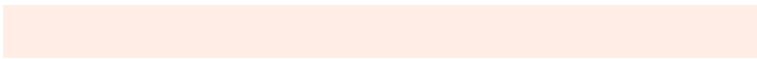
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8555, 0.3267, 0.3241



80.5304, 0.3303, 0.3229



87.5845, 0.3292, 0.3360



18.0467, 0.3263, 0.3242



11.2514, 0.6078, 0.3122



1.1102, 0.5780, 0.2958

Inverse Universe

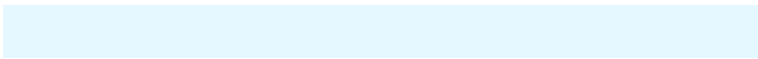
The Inverse Universe completely reimagines the original color for something new.



83.8555, 0.3267, 0.3241



80.5304, 0.3303, 0.3229



91.1134, 0.2975, 0.3219



18.0467, 0.3263, 0.3242



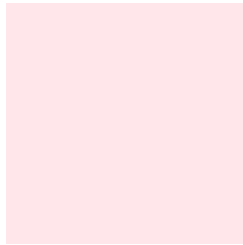
11.2514, 0.6078, 0.3122



1.1102, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 83.8518, 0.3267, 0.3241 looks on a white background.

Color Contrast Check

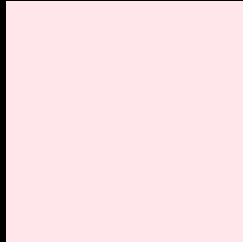
Large Text (above 18pt) WCAG AA × Fail

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 83.8518, 0.3267, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

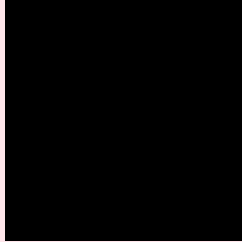
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

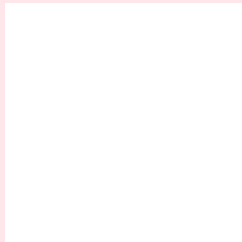
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8518, 0.3267, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 83.8518, 0.3267, 0.3241.

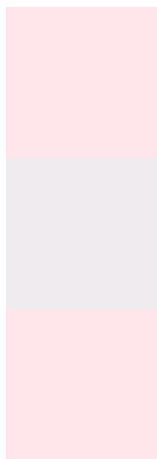


This preview shows how white text looks on a background with the Yxy color 83.8518, 0.3267, 0.3241.

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

83.8518, 0.3267, 0.3241

Protanopia

84.1150, 0.3142, 0.3260

Deuteranopia

83.8518, 0.3267, 0.3241



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

83.8518, 0.3267, 0.3241

Protanomaly

83.8047, 0.3183, 0.3250

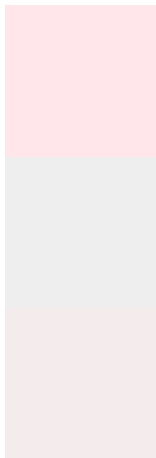
Deuteranomaly

83.8518, 0.3267, 0.3241

Tritanomaly

83.6495, 0.3229, 0.3173

Monochromacy



Original Color

83.8518, 0.3267, 0.3241

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.7642, 0.3175, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8518, 0.3267, 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, 230, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.8518, 0.3267, 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, 230, 235) }
```

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

```
.border{ border-color:rgb(255, 230, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8518, 0.3267, 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, 230, 235) }
```

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

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