

Converting Colors

$Y_{xy}(83.5816, 0.3223, 0.3160)$

Have a look what the booklet for
Yxy(83.5816, 0.3223, 0.3160)
contains.

Yxy(83.7094, 0.3222, 0.3163)	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(83.7094, 0.3222, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5F2
RGB	255, 229, 242
RGB Percent	100%, 90%, 95%
CMY	0.0002, 0.1019, 0.0510
CMYK	0.00, 0.10, 0.05, 0.00
HSL	330°, 100%, 95%
HSV	330°, 10%, 100%
XYZ	85.2708, 83.7094, 95.6717
YIQ	238.2560, 11.3230, 9.5550

Conversions

Conversions Part 2

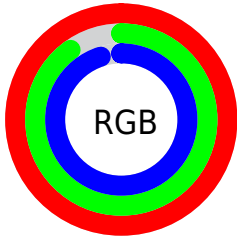
Format	Color
R _Y B	255, 229, 242
Decimal	16770546
CIE Lab	93.32, 11.01, -3.07
CIE LCh	93, 11.429, 344.418
Yxy	83.7094, 0.3222, 0.3163
Android (android.graphics.Color)	4294960626 (0xFFFFE5F2)
YUV	238.2560, 1.8458, 14.6845
Hunter-Lab	91.4928, 6.2486, 2.0470

Details

The Yxy color **83.7094, 0.3222, 0.3163** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.5540, 0.3042, 0.3421**, and the grayscale version is **85.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8230, 0.3241, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **69.8852, 0.3335, 0.3031**, and if you desaturate by 10%, it is **99.6658, 0.3129, 0.3288**.

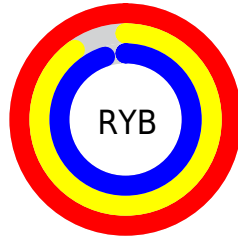
Distribution



Red (100%)

Green (90%)

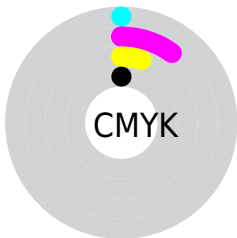
Blue (95%)



Red (100%)

Yellow (90%)

Blue (95%)

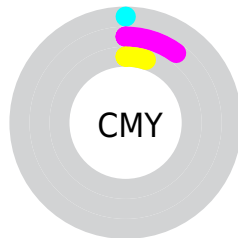


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7094, 0.3222, 0.3163 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 83.7094, 0.3222, 0.3163 by changing the saturation by 10% instead.


 83.7094, 0.3222,
0.3163

 83.7094, 0.3222,
0.3163

507.3477, 0.3180,
0.3220

 62.7755, 0.3231,
0.3150

138.5686, 0.3208,
0.3182

 45.6596, 0.3243,
0.3135

173.2627, 0.3202,
0.3190

 31.9773, 0.3257,
0.3116


213.3124, 0.3197,
0.3197

 21.3442, 0.3276,
0.3092

259.1020, 0.3193,
0.3202

 13.3758, 0.3300,
0.3060

311.0159, 0.3189,
0.3208

 7.6878, 0.3334,
0.3015

369.4386, 0.3185,

 3.8959, 0.3385,

0.3212

0.2949

434.7544, 0.3182,
0.3216

■ 1.6155, 0.3468,
0.2840

■ 0.3680, 0.3861,
0.2297

■ 83.7094, 0.3222,
0.3163

■ 83.7094, 0.3222,
0.3163

■ 69.8852, 0.3335,
0.3031

99.6658, 0.3129,
0.3288

■ 58.0913, 0.3470,
0.2896

99.9891, 0.3127,
0.3290

■ 48.2337, 0.3631,
0.2762

■ 40.2067, 0.3819,
0.2637

■ 33.8942, 0.4033,
0.2531

■ 29.1669, 0.4268,
0.2457

■ 25.8767, 0.4516,
0.2428

■ 23.8470, 0.4764,
0.2453

■ 22.7996, 0.4998,
0.2527

Harmonies

Analogous

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



83.7094, 0.3089, 0.3090



83.7094, 0.3222, 0.3163



83.7094, 0.3331, 0.3269

Triad

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



83.7094, 0.3222, 0.3163



83.7094, 0.3285, 0.3519



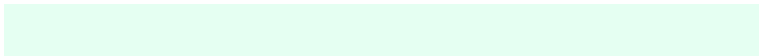
83.7094, 0.2877, 0.3189

Complementary

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



83.7094, 0.3222, 0.3163



94.5540, 0.3042, 0.3421

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.



83.7094, 0.2927, 0.3307



83.7094, 0.3222, 0.3163



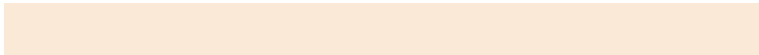
83.7094, 0.3161, 0.3501

Square

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



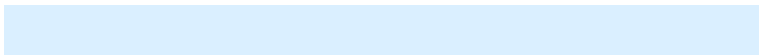
83.7094, 0.3222, 0.3163



83.7094, 0.3367, 0.3474



83.7094, 0.3030, 0.3422



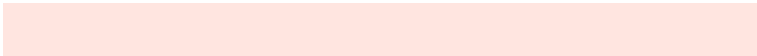
83.7094, 0.2892, 0.3103

Rectangle

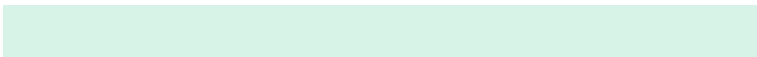
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



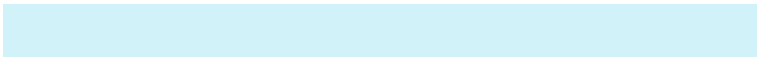
83.7094, 0.3222, 0.3163



83.7094, 0.3374, 0.3345



83.7094, 0.3030, 0.3422



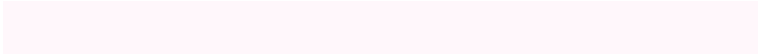
83.7094, 0.2886, 0.3227

Sweetspot

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



83.7131, 0.3222, 0.3163



94.9723, 0.3153, 0.3253



82.0671, 0.3049, 0.3032



20.0475, 0.3160, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

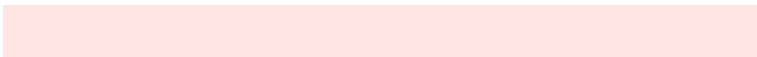
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7131, 0.3222, 0.3163



81.0616, 0.3241, 0.3139



82.9846, 0.3305, 0.3286



18.1389, 0.3215, 0.3172



11.9495, 0.4961, 0.2506



1.1855, 0.4707, 0.2367

Inverse Universe

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



83.7131, 0.3222, 0.3163



81.0616, 0.3241, 0.3139



95.3341, 0.2973, 0.3294



18.1389, 0.3215, 0.3172



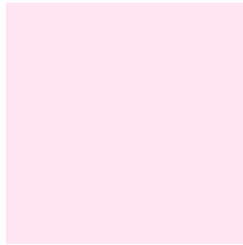
11.9495, 0.4961, 0.2506



1.1855, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 83.7094, 0.3222, 0.3163 looks on a white background.

Color Contrast Check

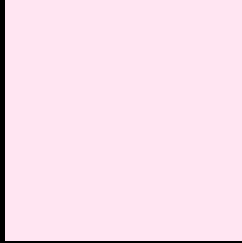
Large Text (above 18pt) WCAG AA × Fail

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 83.7094, 0.3222, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

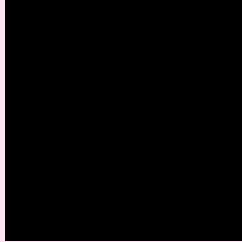
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7094, 0.3222, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 83.7094, 0.3222, 0.3163.

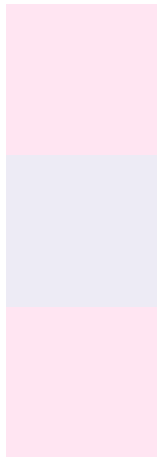


This preview shows how white text looks on a background with the Yxy color 83.7094, 0.3222, 0.3163.

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

83.7094, 0.3222, 0.3163

Protanopia

84.0138, 0.3079, 0.3189

Deuteranopia

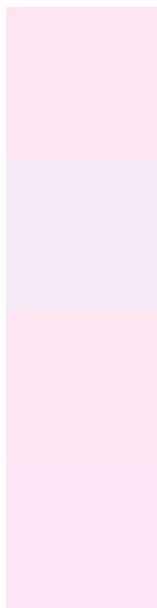
83.7094, 0.3222, 0.3163



Tritanopia

83.9524, 0.3196, 0.3124

Trichromacy



Original Color

83.7094, 0.3222, 0.3163

Protanomaly

84.0426, 0.3132, 0.3180

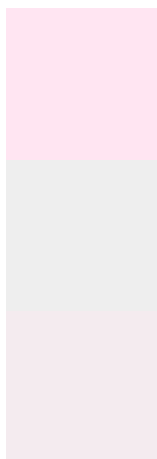
Deuteranomaly

83.7094, 0.3222, 0.3163

Tritanomaly

83.8912, 0.3203, 0.3134

Monochromacy



Original Color

83.7094, 0.3222, 0.3163

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.8818, 0.3163, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7094, 0.3222, 0.3163 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.7094, 0.3222, 0.3163 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, 242) }
```

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

```
.border{ border-color:rgb(255, 229, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7094, 0.3222, 0.3163 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
229, 242) }
```

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