

Converting Colors

$Y_{xy}(116.3784, 0.4213, 0.3333)$

Have a look what the booklet for
Yxy(116.3784, 0.4213, 0.3333)
contains.

Yxy(83.2899, 0.3334, 0.3340)	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(83.2899, 0.3334, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6E1
RGB	255, 230, 225
RGB Percent	100%, 90%, 88%
CMY	0.0000, 0.0981, 0.1176
CMYK	0.00, 0.10, 0.12, 0.00
HSL	10°, 100%, 94%
HSV	10°, 12%, 100%
XYZ	83.1403, 83.2899, 82.9408
YIQ	236.9050, 16.5050, 3.7450

Conversions

Conversions Part 2

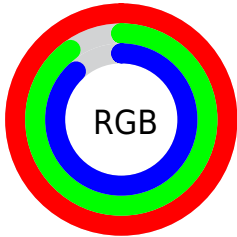
Format	Color
R _Y B	255, 231, 225
Decimal	16770785
CIE Lab	93.14, 7.75, 5.52
CIE LCh	93, 9.512, 35.466
Yxy	83.2899, 0.3334, 0.3340
Android (android.graphics.Color)	4294960865 (0xFFFE6E1)
YUV	236.9050, -5.8692, 15.8693
Hunter-Lab	91.2633, 2.9016, 10.0011

Details

The Yxy color **83.2899, 0.3334, 0.3340** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.6189, 0.2945, 0.3239**, and the grayscale version is **84.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5680, 0.3377, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **70.8712, 0.3552, 0.3386**, and if you desaturate by 10%, it is **97.3527, 0.3155, 0.3297**.

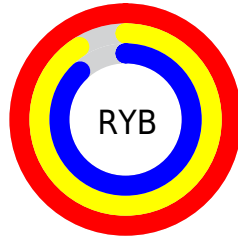
Distribution



Red (100%)

Green (90%)

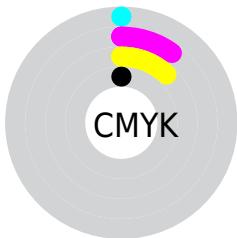
Blue (88%)



Red (100%)

Yellow (91%)

Blue (88%)

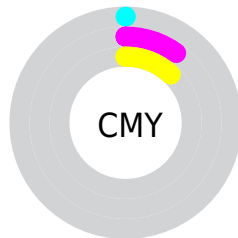


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2899, 0.3334, 0.3340 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 83.2899, 0.3334, 0.3340 by changing the saturation by 10% instead.


 83.2899, 0.3334,
0.3340

 83.2899, 0.3334,
0.3340


505.9522, 0.3240,
0.3318

 62.4293, 0.3355,
0.3345


137.9814, 0.3302,
0.3333

 45.3797, 0.3381,
0.3350


172.5812, 0.3289,
0.3330

 31.7566, 0.3413,
0.3357


212.5294, 0.3278,
0.3327

 21.1757, 0.3455,
0.3366

258.2106, 0.3269,
0.3325

 13.2525, 0.3511,
0.3377

310.0090, 0.3260,
0.3323

 7.6026, 0.3591,
0.3392

368.3092, 0.3253,

 3.8417, 0.3711,

0.3321

0.3412

433.4954, 0.3246,
0.3320

■ 1.5854, 0.3915,
0.3442

■ 0.3478, 0.5991,
0.4009

■ 83.2899, 0.3334,
0.3340

■ 83.2899, 0.3334,
0.3340

■ 70.8712, 0.3552,
0.3386

■ 97.3527, 0.3155,
0.3297

■ 60.0481, 0.3816,
0.3433

100.0000, 0.3127,
0.3290

■ 50.7518, 0.4133,
0.3479

■ 42.9129, 0.4503,
0.3518

■ 36.4570, 0.4918,
0.3545

■ 31.3028, 0.5352,
0.3550

■ 27.3603, 0.5758,
0.3525

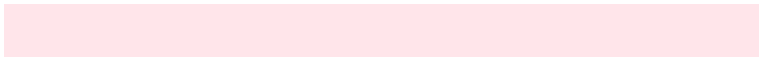
■ 24.5275, 0.6080,
0.3470

■ 22.9366, 0.6259,
0.3412

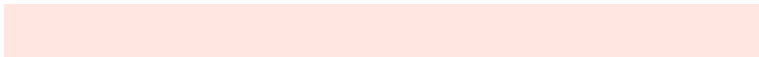
Harmonies

Analogous

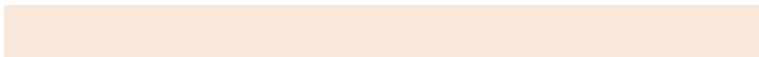
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2899, 0.3274, 0.3244



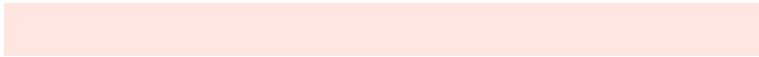
83.2899, 0.3334, 0.3340



83.2899, 0.3338, 0.3425

Triad

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



83.2899, 0.3334, 0.3340



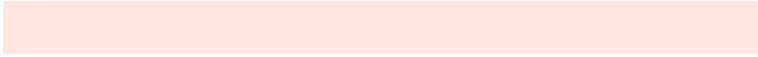
83.2899, 0.3078, 0.3424



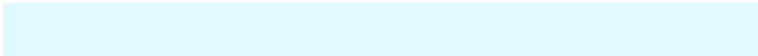
83.2899, 0.2971, 0.3108

Complementary

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



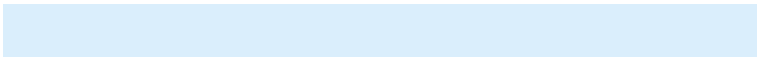
83.2899, 0.3334, 0.3340



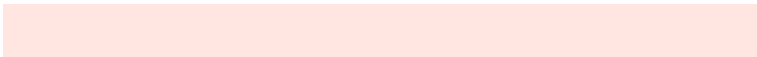
91.6189, 0.2945, 0.3239

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.



83.2899, 0.2921, 0.3152



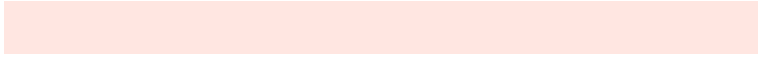
83.2899, 0.3334, 0.3340



83.2899, 0.2982, 0.3335

Square

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



83.2899, 0.3334, 0.3340



83.2899, 0.3189, 0.3476



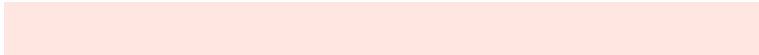
83.2899, 0.2925, 0.3234



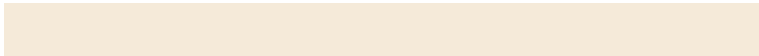
83.2899, 0.3063, 0.3112

Rectangle

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



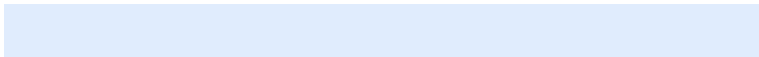
83.2899, 0.3334, 0.3340



83.2899, 0.3308, 0.3463



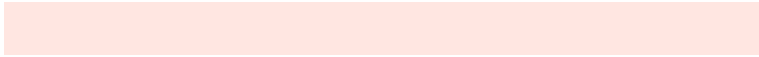
83.2899, 0.2925, 0.3234



83.2899, 0.2949, 0.3117

Sweetspot

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



83.2857, 0.3334, 0.3340



94.0514, 0.3192, 0.3307



82.0541, 0.3170, 0.3042



19.8979, 0.3205, 0.3310



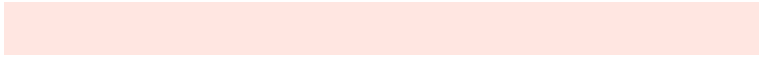
0.0000, 0.0000, 0.0000



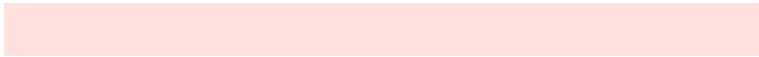
21.4041, 0.3127, 0.3290

Same Dimension

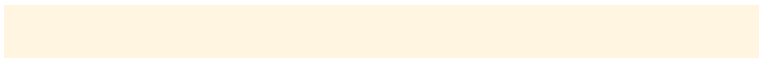
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2857, 0.3334, 0.3340



80.3601, 0.3379, 0.3350



91.7038, 0.3316, 0.3482



18.4736, 0.3290, 0.3330



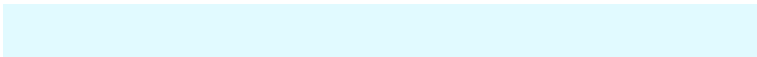
12.1267, 0.6238, 0.3429



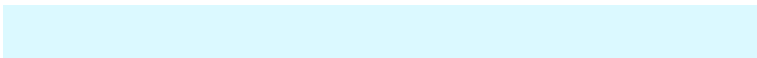
1.3113, 0.6045, 0.3582

Inverse Universe

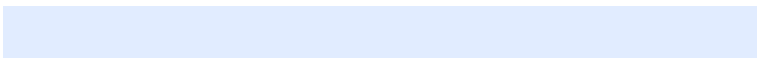
The Inverse Universe completely reimagines the original color for something new.



91.6189, 0.2945, 0.3239



90.1270, 0.2911, 0.3229



82.9408, 0.2942, 0.3091



19.9383, 0.2980, 0.3250



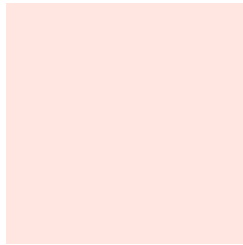
28.7522, 0.2098, 0.2751



2.9297, 0.2117, 0.2819

Previews

White Background



This preview shows how the Yxy color 83.2899, 0.3334, 0.3340 looks on a white background.

Color Contrast Check

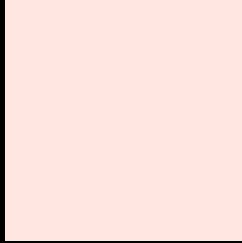
Large Text (above 18pt) WCAG AA × Fail

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 83.2899, 0.3334, 0.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

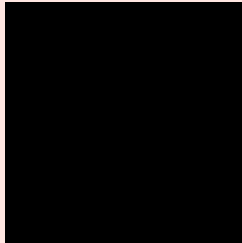
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

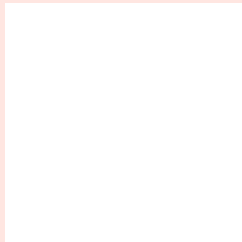
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2899, 0.3334, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 83.2899, 0.3334, 0.3340.

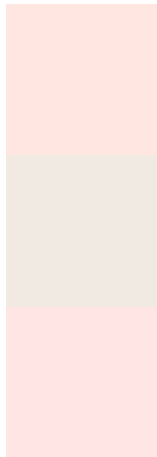


This preview shows how white text looks on a background with the Yxy color 83.2899, 0.3334, 0.3340.

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

83.2899, 0.3334, 0.3340

Protanopia

83.0925, 0.3219, 0.3362

Deuteranopia

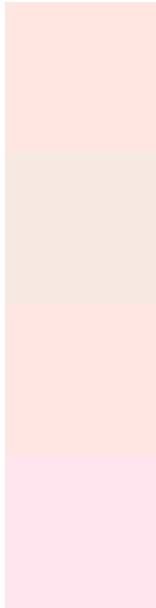
83.4551, 0.3314, 0.3310



Tritanopia

83.2785, 0.3210, 0.3134

Trichromacy



Original Color

83.2899, 0.3334, 0.3340

Protanomaly

83.3616, 0.3261, 0.3361

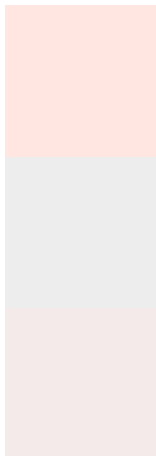
Deuteranomaly

83.3997, 0.3320, 0.3320

Tritanomaly

83.4130, 0.3255, 0.3212

Monochromacy



Original Color

83.2899, 0.3334, 0.3340

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.9619, 0.3201, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2899, 0.3334, 0.3340 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 225) }
```

Border

The CSS property to change the border of an element to Yxy 83.2899, 0.3334, 0.3340 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, 225) }
```

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

```
.border{ border-color:rgb(255, 230, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2899, 0.3334, 0.3340 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
230, 225) }
```

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