

Converting Colors

$Yxy(83.8315, 0.3300, 0.3296)$

Have a look what the booklet for
Yxy(83.8315, 0.3300, 0.3296)
contains.

Yxy(84.1250, 0.3299, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.1250, 0.3299, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7E6
RGB	255, 231, 230
RGB Percent	100%, 91%, 90%
CMY	0.0001, 0.0941, 0.0979
CMYK	0.00, 0.09, 0.10, 0.00
HSL	2°, 100%, 95%
HSV	2°, 10%, 100%
XYZ	84.0995, 84.1250, 86.6997
YIQ	238.0620, 14.6250, 4.7770

Conversions

Conversions Part 2

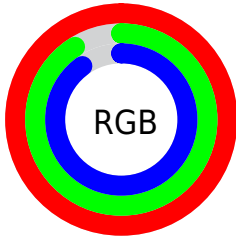
Format	Color
R _Y B	255, 231, 230
Decimal	16771046
CIE Lab	93.50, 8.01, 3.43
CIE LCh	94, 8.714, 23.159
Yxy	84.1250, 0.3299, 0.3300
Android (android.graphics.Color)	4294961126 (0xFFFE7E6)
YUV	238.0620, -3.9746, 14.8546
Hunter-Lab	91.7197, 3.1606, 8.1588

Details

The Yxy color **84.1250, 0.3299, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.9480, 0.2976, 0.3280**, and the grayscale version is **85.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7609, 0.3333, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **70.0232, 0.3518, 0.3311**, and if you desaturate by 10%, it is **99.9973, 0.3127, 0.3290**.

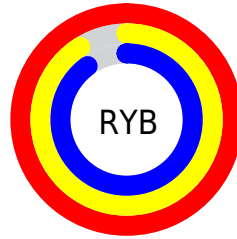
Distribution



Red (100%)

Green (91%)

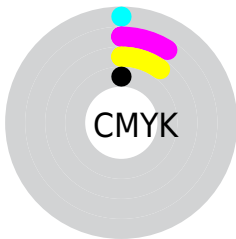
Blue (90%)



Red (100%)

Yellow (91%)

Blue (90%)

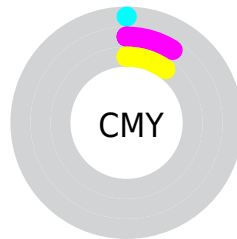


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1250, 0.3299, 0.3300 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 84.1250, 0.3299, 0.3300 by changing the saturation by 10% instead.

 84.1250, 0.3299,
0.3300

 84.1250, 0.3299,
0.3300


508.7282, 0.3221,
0.3296

 63.1186, 0.3316,
0.3301


139.1500, 0.3272,
0.3299

 45.9372, 0.3338,
0.3302


173.9375, 0.3262,
0.3298

 32.1963, 0.3364,
0.3303

214.0874, 0.3253,
0.3298

 21.5115, 0.3399,
0.3304

259.9842, 0.3245,
0.3297

 13.4984, 0.3445,
0.3305

312.0123, 0.3238,
0.3297

 7.7726, 0.3510,
0.3306

370.5561, 0.3232,

 3.9498, 0.3608,

0.3297

0.3307

435.9999, 0.3226,
0.3296

■ 1.6455, 0.3774,
0.3306

■ 0.3880, 0.4971,
0.3418

■ 84.1250, 0.3299,
0.3300

■ 84.1250, 0.3299,
0.3300

■ 70.0232, 0.3518,
0.3311

99.9973, 0.3127,
0.3290

■ 57.9606, 0.3789,
0.3323

■ 47.8463, 0.4123,
0.3334

■ 39.5780, 0.4522,
0.3344

■ 33.0444, 0.4976,
0.3351

■ 28.1219, 0.5451,
0.3351

■ 24.6709, 0.5887,
0.3344

■ 22.5277, 0.6210,
0.3329

■ 21.4838, 0.6380,
0.3314

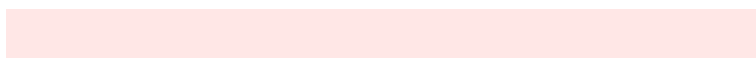
Harmonies

Analogous

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



84.1250, 0.3227, 0.3215



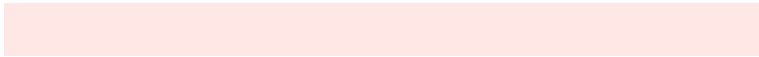
84.1250, 0.3299, 0.3300



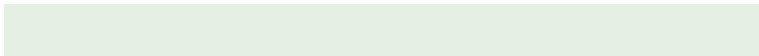
84.1250, 0.3325, 0.3384

Triad

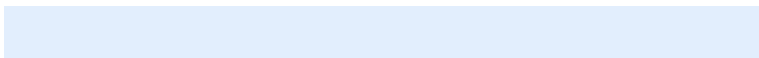
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1250, 0.3299, 0.3300



84.1250, 0.3124, 0.3437



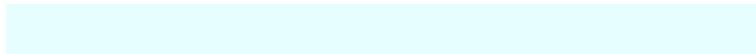
84.1250, 0.2960, 0.3135

Complementary

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



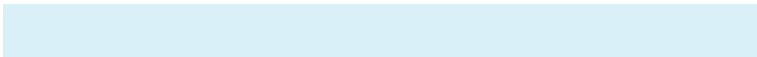
84.1250, 0.3299, 0.3300



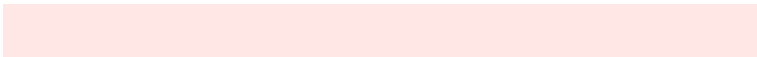
94.9480, 0.2976, 0.3280

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.



84.1250, 0.2934, 0.3192



84.1250, 0.3299, 0.3300



84.1250, 0.3027, 0.3367

Square

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



84.1250, 0.3299, 0.3300



84.1250, 0.3222, 0.3465



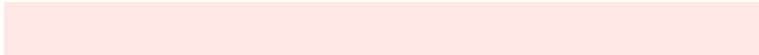
84.1250, 0.2958, 0.3276



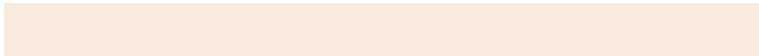
84.1250, 0.3031, 0.3120

Rectangle

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



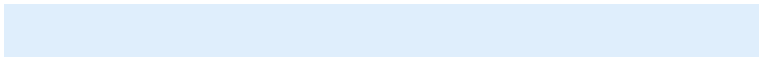
84.1250, 0.3299, 0.3300



84.1250, 0.3311, 0.3429



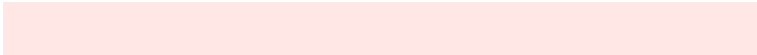
84.1250, 0.2958, 0.3276



84.1250, 0.2946, 0.3150

Sweetspot

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



84.1287, 0.3299, 0.3300



94.9139, 0.3176, 0.3293



85.0414, 0.3144, 0.3057



20.0317, 0.3190, 0.3294



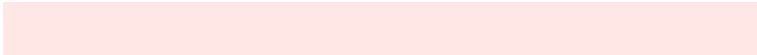
0.0000, 0.0000, 0.0000



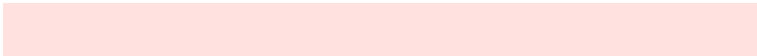
21.4041, 0.3127, 0.3290

Same Dimension

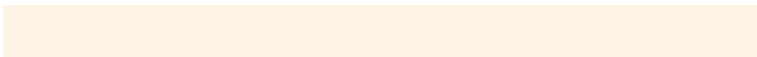
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1287, 0.3299, 0.3300



80.8285, 0.3343, 0.3302



91.2818, 0.3286, 0.3421



18.0993, 0.3294, 0.3300



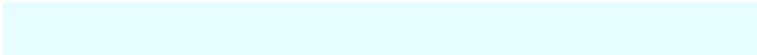
11.2690, 0.6374, 0.3321



1.1350, 0.6311, 0.3371

Inverse Universe

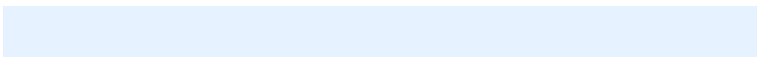
The Inverse Universe completely reimagines the original color for something new.



94.9480, 0.2976, 0.3280



93.9002, 0.2942, 0.3278



87.3657, 0.2975, 0.3156



20.3541, 0.2980, 0.3280



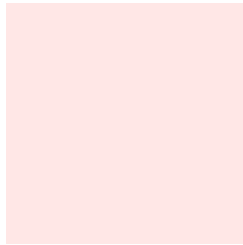
37.9998, 0.2214, 0.3169



3.7359, 0.2218, 0.3183

Previews

White Background



This preview shows how the Yxy color 84.1250, 0.3299, 0.3300 looks on a white background.

Color Contrast Check

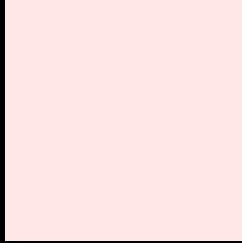
Large Text (above 18pt) WCAG AA × Fail

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 84.1250, 0.3299, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

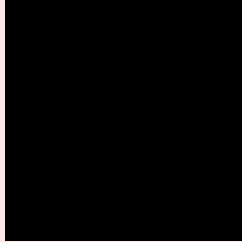
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

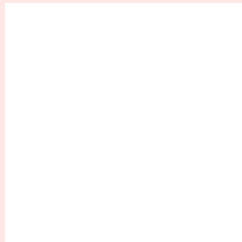
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1250, 0.3299, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 84.1250, 0.3299, 0.3300.

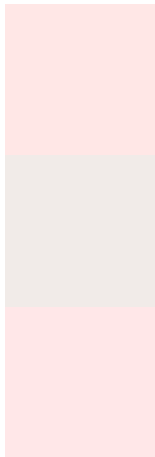


This preview shows how white text looks on a background with the Yxy color 84.1250, 0.3299, 0.3300.

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

84.1250, 0.3299, 0.3300

Protanopia

83.9436, 0.3186, 0.3321

Deuteranopia

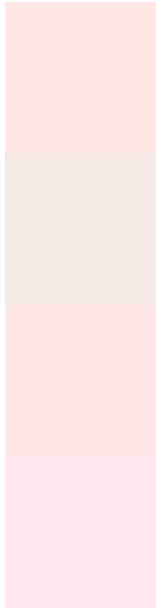
84.2380, 0.3286, 0.3281



Tritanopia

83.8912, 0.3203, 0.3134

Trichromacy



Original Color

84.1250, 0.3299, 0.3300

Protanomaly

84.2080, 0.3228, 0.3320

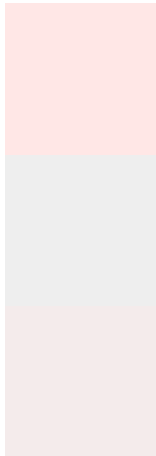
Deuteranomaly

84.1813, 0.3293, 0.3291

Tritanomaly

84.1449, 0.3235, 0.3192

Monochromacy



Original Color

84.1250, 0.3299, 0.3300

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.6479, 0.3188, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1250, 0.3299, 0.3300 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, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 230)  
}
```

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, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 230) }
```

Border

The CSS property to change the border of an element to Yxy 84.1250, 0.3299, 0.3300 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, 231, 230) }
```

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

```
.border{ border-color:rgb(255, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1250, 0.3299, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 230) }
```

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

```
.background{ background-color: rgb(255,  
231, 230) }
```

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