

Converting Colors

$Y_{xy}(83.2578, 0.3304, 0.3291)$

Have a look what the booklet for
Yxy(83.2578, 0.3304, 0.3291)
contains.

| | |
|--|----|
| Yxy(83.5108, 0.3307, 0.3300) | 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(83.5108, 0.3307, 0.3300)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FFE6E5 |
| RGB | 255, 230, 229 |
| RGB Percent | 100%, 90%, 90% |
| CMY | 0.0000, 0.0980, 0.1018 |
| CMYK | 0.00, 0.10, 0.10, 0.00 |
| HSL | 2°, 100%, 95% |
| HSV | 2°, 10%, 100% |
| XYZ | 83.6879, 83.5108, 85.8643 |
| YIQ | 237.3610, 15.2210, 4.9890 |

Conversions

Conversions Part 2

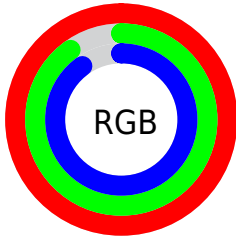
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 230, 229 |
| Decimal | 16770789 |
| CIE Lab | 93.24, 8.38, 3.56 |
| CIE LCh | 93, 9.106, 23.041 |
| Yxy | 83.5108, 0.3307, 0.3300 |
| Android (android.graphics.Color) | 4294960869 (0xFFFE6E5) |
| YUV | 237.3610, -4.1220, 15.4694 |
| Hunter-Lab | 91.3842, 3.5445, 8.2603 |

Details

The Yxy color **83.5108, 0.3307, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.7943, 0.2970, 0.3280**, and the grayscale version is **85.0056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3339, 0.3344, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **69.4704, 0.3528, 0.3311**, and if you desaturate by 10%, it is **99.6872, 0.3130, 0.3290**.

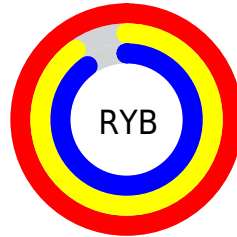
Distribution



Red (100%)

Green (90%)

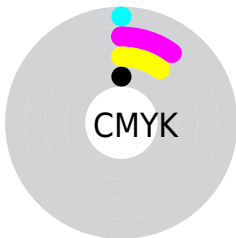
Blue (90%)



Red (100%)

Yellow (90%)

Blue (90%)

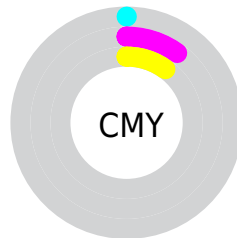


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5108, 0.3307, 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 83.5108, 0.3307, 0.3300 by changing the saturation by 10% instead.


 83.5108, 0.3307,
0.3300

 83.5108, 0.3307,
0.3300


506.6873, 0.3225,
0.3296

 62.6116, 0.3325,
0.3301


138.2907, 0.3279,
0.3299

 45.5271, 0.3348,
0.3302


172.9401, 0.3268,
0.3298

 31.8728, 0.3376,
0.3303

212.9418, 0.3259,
0.3298

 21.2644, 0.3412,
0.3304

258.6801, 0.3250,
0.3297

 13.3174, 0.3461,
0.3305

310.5394, 0.3243,
0.3297

 7.6475, 0.3529,
0.3306

368.9041, 0.3236,

 3.8702, 0.3633,

0.3297

0.3306

434.1586, 0.3231,
0.3296

■ 1.6012, 0.3809,
0.3304

■ 0.3584, 0.5219,
0.3431

■ 83.5108, 0.3307,
0.3300

■ 83.5108, 0.3307,
0.3300

■ 69.4704, 0.3528,
0.3311

99.6872, 0.3130,
0.3290

■ 57.4750, 0.3802,
0.3322

100.0000, 0.3127,
0.3290

■ 47.4298, 0.4138,
0.3333

■ 39.2317, 0.4540,
0.3342

■ 32.7683, 0.4996,
0.3348

■ 27.9149, 0.5472,
0.3349

■ 24.5299, 0.5905,
0.3342

■ 22.4477, 0.6222,
0.3327

■ 21.4644, 0.6383,
0.3314

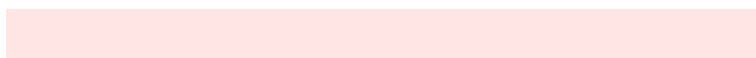
Harmonies

Analogous

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



83.5108, 0.3231, 0.3211



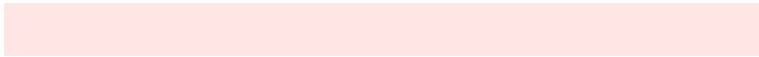
83.5108, 0.3307, 0.3300



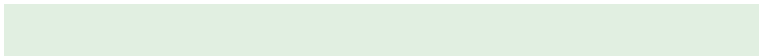
83.5108, 0.3334, 0.3388

Triad

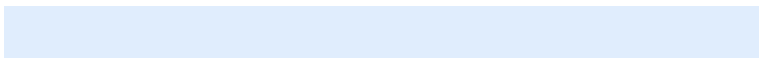
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5108, 0.3307, 0.3300



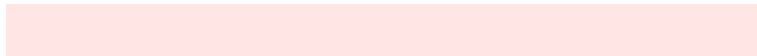
83.5108, 0.3124, 0.3444



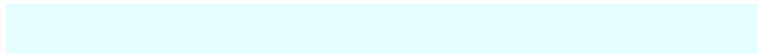
83.5108, 0.2952, 0.3128

Complementary

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



83.5108, 0.3307, 0.3300



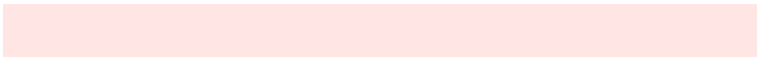
94.7943, 0.2970, 0.3280

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.



83.5108, 0.2925, 0.3187



83.5108, 0.3307, 0.3300



83.5108, 0.3023, 0.3371

Square

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



83.5108, 0.3307, 0.3300



83.5108, 0.3227, 0.3474



83.5108, 0.2951, 0.3276



83.5108, 0.3026, 0.3112

Rectangle

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



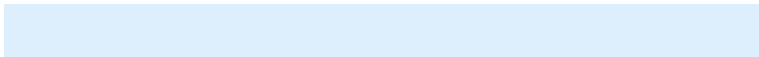
83.5108, 0.3307, 0.3300



83.5108, 0.3320, 0.3435



83.5108, 0.2951, 0.3276



83.5108, 0.2937, 0.3143

Sweetspot

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



83.5114, 0.3307, 0.3300



94.9060, 0.3176, 0.3293



84.4845, 0.3144, 0.3047



20.0296, 0.3190, 0.3294



0.0000, 0.0000, 0.0000



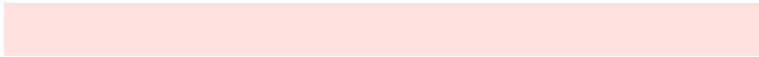
21.4041, 0.3127, 0.3290

Same Dimension

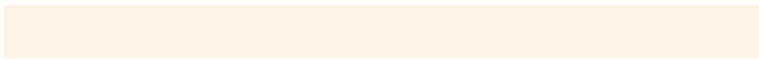
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5114, 0.3307, 0.3300



80.8009, 0.3343, 0.3302



90.9515, 0.3293, 0.3426



18.0944, 0.3294, 0.3299



11.2621, 0.6375, 0.3320



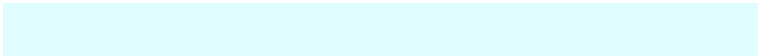
1.1327, 0.6315, 0.3368

Inverse Universe

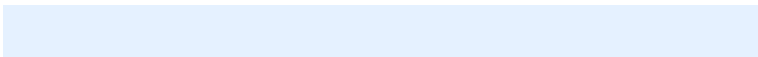
The Inverse Universe completely reimagines the original color for something new.



94.7943, 0.2970, 0.3280



93.9325, 0.2943, 0.3278



86.8862, 0.2968, 0.3150



20.3596, 0.2980, 0.3281



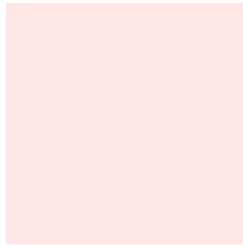
38.1321, 0.2215, 0.3174



3.7473, 0.2219, 0.3188

Previews

White Background



This preview shows how the Yxy color 83.5108, 0.3307, 0.3300 looks on a white background.

Color Contrast Check

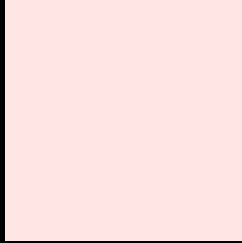
Large Text (above 18pt) WCAG AA × Fail

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 83.5108, 0.3307, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

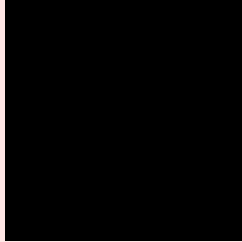
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

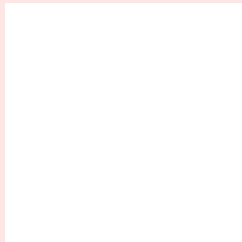
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5108, 0.3307, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.5108, 0.3307, 0.3300.

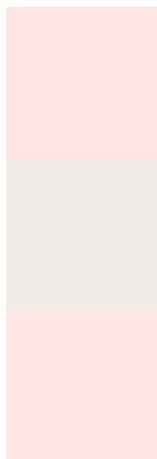


This preview shows how white text looks on a background with the Yxy color 83.5108, 0.3307, 0.3300.

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

83.5108, 0.3307, 0.3300

Protanopia

83.9436, 0.3186, 0.3321

Deuteranopia

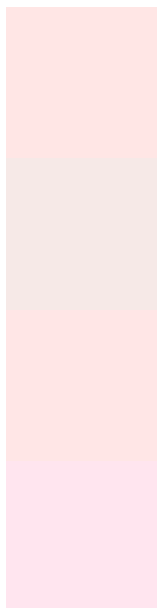
83.6232, 0.3294, 0.3281



Tritanopia

83.2785, 0.3210, 0.3134

Trichromacy



Original Color

83.5108, 0.3307, 0.3300

Protanomaly

83.6402, 0.3228, 0.3310

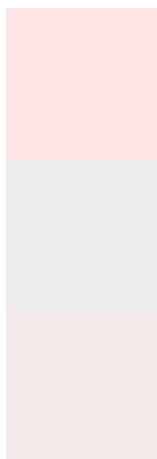
Deuteranomaly

83.5668, 0.3300, 0.3291

Tritanomaly

83.5306, 0.3242, 0.3192

Monochromacy



Original Color

83.5108, 0.3307, 0.3300

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.0192, 0.3195, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5108, 0.3307, 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, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.5108, 0.3307, 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, 230, 229) }
```

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

```
.border{ border-color:rgb(255, 230, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5108, 0.3307, 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, 230, 229) }
```

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

```
.background{ background-color: rgb(255,  
230, 229) }
```

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