

Converting Colors

$Y_{xy}(83.7425, 0.3303, 0.3298)$

Have a look what the booklet for
Yxy(83.7425, 0.3303, 0.3298)
contains.

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Color

Yxy(83.5668, 0.3300, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6E6
RGB	255, 230, 230
RGB Percent	100%, 90%, 90%
CMY	0.0003, 0.0979, 0.0981
CMYK	0.00, 0.10, 0.10, 0.00
HSL	0°, 99%, 95%
HSV	0°, 10%, 100%
XYZ	83.7953, 83.5668, 86.5631
YIQ	237.4750, 14.9000, 5.3000

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 230, 230
Decimal	16770790
CIE Lab	93.26, 8.48, 3.11
CIE LCh	93, 9.030, 20.119
Yxy	83.5668, 0.3300, 0.3291
Android (android.graphics.Color)	4294960870 (0xFFFFE6E6)
YUV	237.4750, -3.6852, 15.3694
Hunter-Lab	91.4149, 3.6458, 7.8472

Details

The Yxy color **83.5668, 0.3300, 0.3291** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.4702, 0.2976, 0.3289**, and the grayscale version is **85.0887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3730, 0.3335, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **69.0982, 0.3521, 0.3292**, and if you desaturate by 10%, it is **99.9847, 0.3127, 0.3290**.

Distribution



Red (100%)

Green (90%)

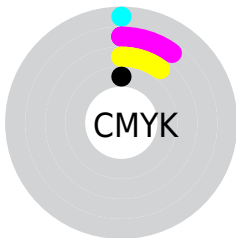
Blue (90%)



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 83.5668, 0.3300, 0.3291 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 83.5668, 0.3300, 0.3291 by changing the saturation by 10% instead.


 83.5668, 0.3300,
0.3291

 83.5668, 0.3300,
0.3291


506.8736, 0.3222,
0.3291

 62.6578, 0.3318,
0.3291


138.3690, 0.3273,
0.3291

 45.5645, 0.3339,
0.3291


173.0311, 0.3263,
0.3291

 31.9023, 0.3366,
0.3290


213.0463, 0.3253,
0.3291

 21.2869, 0.3401,
0.3290

258.7991, 0.3246,
0.3291

 13.3338, 0.3447,
0.3289

310.6738, 0.3238,
0.3291

 7.6588, 0.3513,
0.3287

369.0549, 0.3232,

 3.8774, 0.3613,

0.3291

0.3283

434.3267, 0.3227,
0.3291

■ 1.6052, 0.3782,
0.3273

■ 0.3611, 0.5060,
0.3321

■ 83.5668, 0.3300,
0.3291

■ 83.5668, 0.3300,
0.3291

■ 69.0982, 0.3521,
0.3292

99.9847, 0.3127,
0.3290

■ 56.8033, 0.3798,
0.3294

■ 46.5804, 0.4139,
0.3295

■ 38.3156, 0.4549,
0.3297

■ 31.8838, 0.5014,
0.3299

■ 27.1456, 0.5499,
0.3300

■ 23.9415, 0.5935,
0.3301

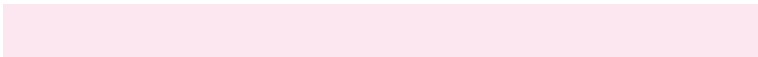
■ 22.0819, 0.6245,
0.3301

■ 21.2695, 0.6397,
0.3301

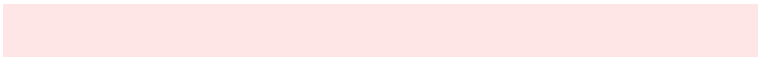
Harmonies

Analogous

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



83.5668, 0.3221, 0.3204



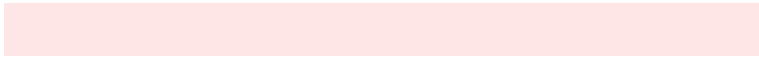
83.5668, 0.3300, 0.3291



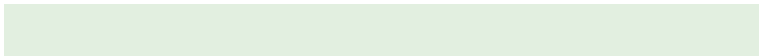
83.5668, 0.3332, 0.3380

Triad

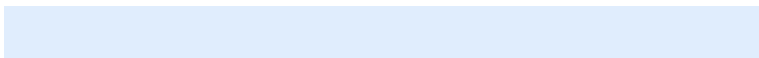
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5668, 0.3300, 0.3291



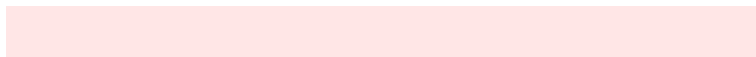
83.5668, 0.3134, 0.3448



83.5668, 0.2949, 0.3133

Complementary

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



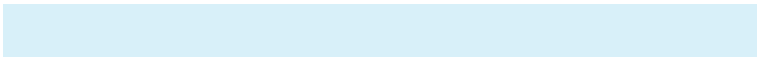
83.5668, 0.3300, 0.3291



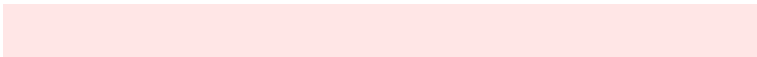
95.4702, 0.2976, 0.3289

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.



83.5668, 0.2927, 0.3196



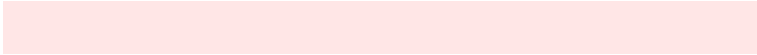
83.5668, 0.3300, 0.3291



83.5668, 0.3033, 0.3379

Square

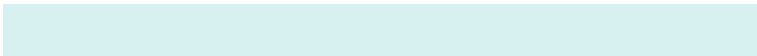
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5668, 0.3300, 0.3291



83.5668, 0.3235, 0.3472



83.5668, 0.2957, 0.3286



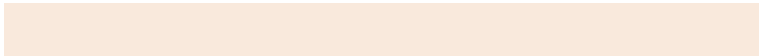
83.5668, 0.3018, 0.3113

Rectangle

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



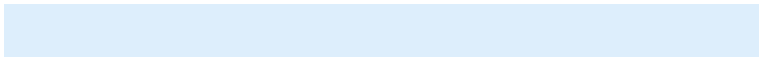
83.5668, 0.3300, 0.3291



83.5668, 0.3322, 0.3428



83.5668, 0.2957, 0.3286



83.5668, 0.2936, 0.3150

Sweetspot

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



83.5705, 0.3300, 0.3291



94.7427, 0.3176, 0.3290



85.0439, 0.3138, 0.3049



19.9857, 0.3190, 0.3290



0.0000, 0.0000, 0.0000



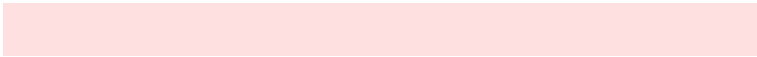
21.4041, 0.3127, 0.3290

Same Dimension

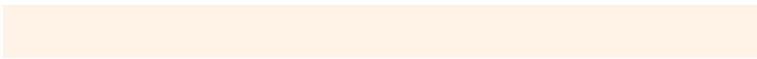
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5705, 0.3300, 0.3291



80.2247, 0.3345, 0.3291



90.7302, 0.3287, 0.3413



17.9932, 0.3295, 0.3291



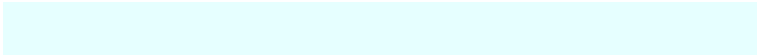
11.1175, 0.6399, 0.3301



1.0845, 0.6396, 0.3304

Inverse Universe

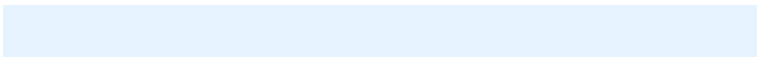
The Inverse Universe completely reimagines the original color for something new.



95.4702, 0.2976, 0.3289



94.6104, 0.2943, 0.3289



87.8083, 0.2975, 0.3164



20.4746, 0.2980, 0.3289



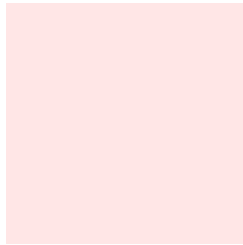
40.9684, 0.2245, 0.3281



3.9910, 0.2245, 0.3282

Previews

White Background



This preview shows how the Yxy color 83.5668, 0.3300, 0.3291 looks on a white background.

Color Contrast Check

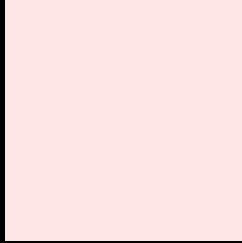
Large Text (above 18pt) WCAG AA × Fail

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 83.5668, 0.3300, 0.3291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

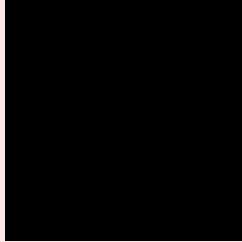
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

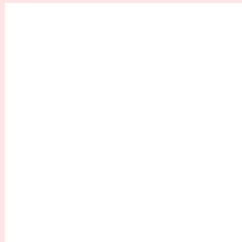
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5668, 0.3300, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 83.5668, 0.3300, 0.3291.

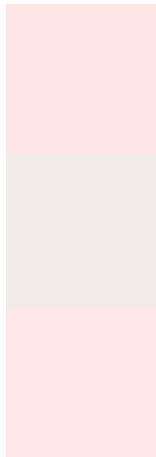


This preview shows how white text looks on a background with the Yxy color 83.5668, 0.3300, 0.3291.

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

83.5668, 0.3300, 0.3291

Protanopia

84.0006, 0.3180, 0.3310

Deuteranopia

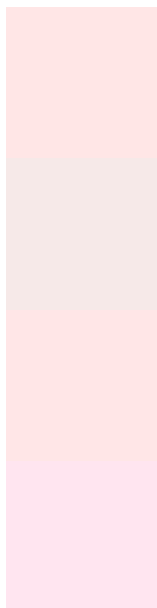
83.6798, 0.3287, 0.3271



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.5668, 0.3300, 0.3291

Protanomaly

83.6969, 0.3222, 0.3300

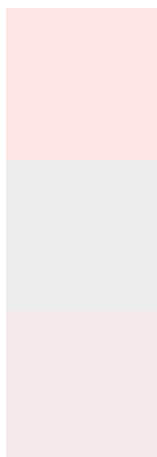
Deuteranomaly

83.6232, 0.3294, 0.3281

Tritanomaly

83.5899, 0.3236, 0.3182

Monochromacy



Original Color

83.5668, 0.3300, 0.3291

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 83.5668, 0.3300, 0.3291 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, 230)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 83.5668, 0.3300, 0.3291 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, 230) }
```

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

```
.border{ border-color:rgb(255, 230, 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, 230, 230)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 83.5668, 0.3300, 0.3291 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, 230) }
```

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

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

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