

Converting Colors

$Y_{xy}(83.0373, 0.3350, 0.3363)$

Have a look what the booklet for
Yxy(83.0373, 0.3350, 0.3363)
contains.

Yxy(83.1813, 0.3347, 0.3360)	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(83.1813, 0.3347, 0.3360)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6DF
RGB	255, 230, 223
RGB Percent	100%, 90%, 87%
CMY	0.0000, 0.0980, 0.1254
CMYK	0.00, 0.10, 0.13, 0.00
HSL	13°, 100%, 94%
HSV	13°, 13%, 100%
XYZ	82.8595, 83.1813, 81.5226
YIQ	236.6770, 17.1470, 3.1230

Conversions

Conversions Part 2

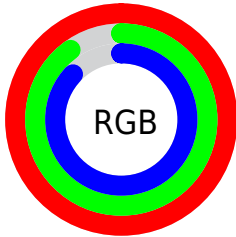
Format	Color
R _Y B	255, 232, 223
Decimal	16770783
CIE Lab	93.09, 7.41, 6.48
CIE LCh	93, 9.848, 41.178
Yxy	83.1813, 0.3347, 0.3360
Android (android.graphics.Color)	4294960863 (0xFFFFE6DF)
YUV	236.6770, -6.7428, 16.0693
Hunter-Lab	91.2038, 2.5623, 10.8462

Details

The Yxy color **83.1813, 0.3347, 0.3360** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0665, 0.2933, 0.3219**, and the grayscale version is **84.4732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4929, 0.3394, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **71.4400, 0.3564, 0.3420**, and if you desaturate by 10%, it is **96.4063, 0.3168, 0.3304**.

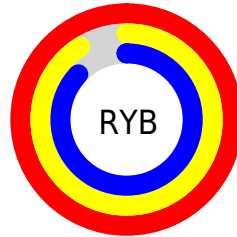
Distribution



Red (100%)

Green (90%)

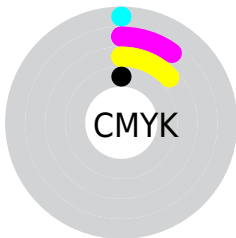
Blue (87%)



Red (100%)

Yellow (91%)

Blue (87%)

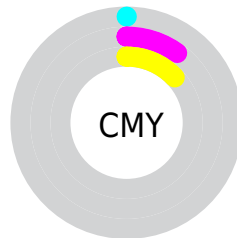


Cyan (0%)

Magenta (10%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1813, 0.3347, 0.3360 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 83.1813, 0.3347, 0.3360 by changing the saturation by 10% instead.


 83.1813, 0.3347,
0.3360

 83.1813, 0.3347,
0.3360


505.5905, 0.3247,
0.3329

 62.3397, 0.3369,
0.3367


137.8294, 0.3313,
0.3350

 45.3073, 0.3397,
0.3375


172.4046, 0.3299,
0.3346

 31.6995, 0.3431,
0.3385


212.3266, 0.3288,
0.3342

 21.1321, 0.3476,
0.3397

257.9796, 0.3277,
0.3339

 13.2206, 0.3536,
0.3413

309.7482, 0.3269,
0.3336

 7.5806, 0.3620,
0.3435

368.0166, 0.3261,

 3.8278, 0.3748,

0.3334

0.3466

433.1692, 0.3254,
0.3331

■ 1.5777, 0.3965,
0.3511

■ 0.3425, 0.5966,
0.4034

■ 83.1813, 0.3347,
0.3360

■ 83.1813, 0.3347,
0.3360

■ 71.4400, 0.3564,
0.3420

■ 96.4063, 0.3168,
0.3304

■ 61.1200, 0.3824,
0.3482

100.0000, 0.3127,
0.3290

■ 52.1700, 0.4132,
0.3541

■ 44.5316, 0.4489,
0.3593

■ 38.1419, 0.4886,
0.3629

■ 32.9329, 0.5298,
0.3638

■ 28.8297, 0.5686,
0.3611

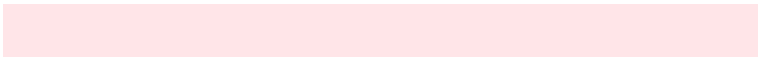
■ 25.7481, 0.6001,
0.3546

■ 24.0497, 0.6172,
0.3481

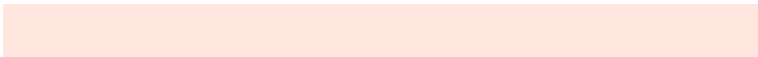
Harmonies

Analogous

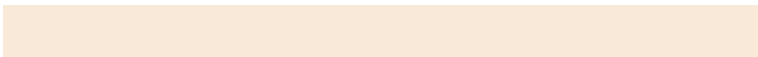
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1813, 0.3295, 0.3261



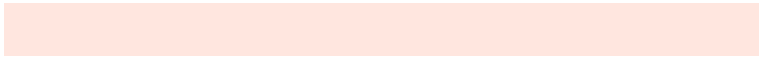
83.1813, 0.3347, 0.3360



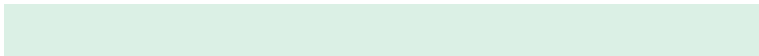
83.1813, 0.3339, 0.3443

Triad

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



83.1813, 0.3347, 0.3360



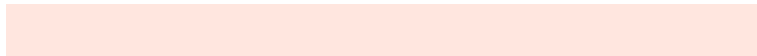
83.1813, 0.3055, 0.3413



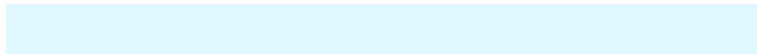
83.1813, 0.2981, 0.3098

Complementary

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



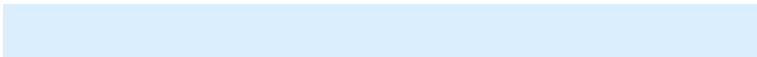
83.1813, 0.3347, 0.3360



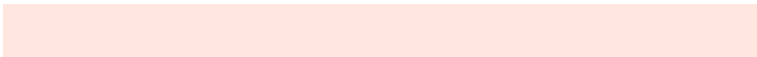
90.0665, 0.2933, 0.3219

Split Complementary

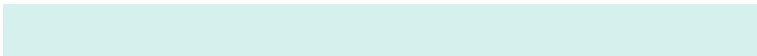
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1813, 0.2919, 0.3135



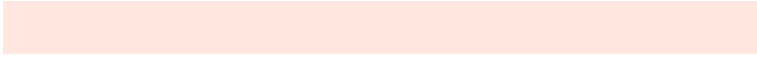
83.1813, 0.3347, 0.3360



83.1813, 0.2962, 0.3316

Square

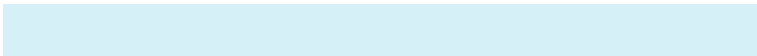
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1813, 0.3347, 0.3360



83.1813, 0.3169, 0.3476



83.1813, 0.2912, 0.3214



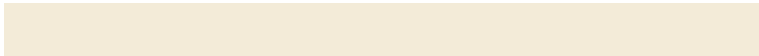
83.1813, 0.3082, 0.3112

Rectangle

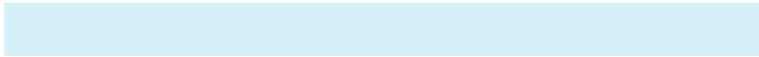
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



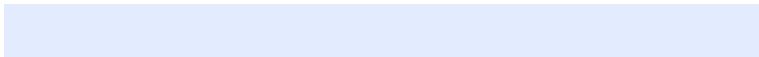
83.1813, 0.3347, 0.3360



83.1813, 0.3301, 0.3477



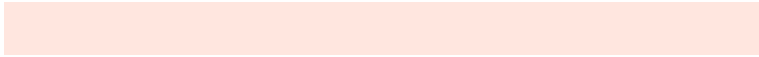
83.1813, 0.2912, 0.3214



83.1813, 0.2955, 0.3105

Sweetspot

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



83.1848, 0.3347, 0.3360



94.3766, 0.3192, 0.3312



80.8349, 0.3187, 0.3045



19.9799, 0.3204, 0.3316



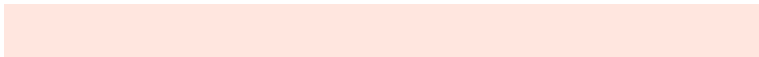
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

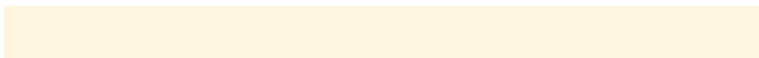
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1848, 0.3347, 0.3360



80.1558, 0.3397, 0.3375



92.4662, 0.3327, 0.3515



18.6290, 0.3289, 0.3343



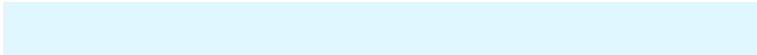
12.7435, 0.6146, 0.3502



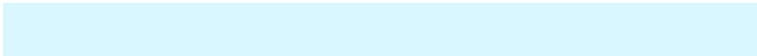
1.3930, 0.5936, 0.3669

Inverse Universe

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



90.0665, 0.2933, 0.3219



88.2472, 0.2895, 0.3204



80.6773, 0.2929, 0.3054



19.7697, 0.2980, 0.3237



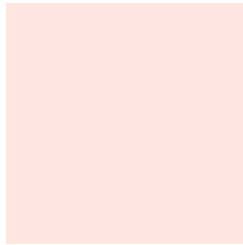
25.4421, 0.2047, 0.2570



2.6357, 0.2073, 0.2662

Previews

White Background



This preview shows how the Yxy color 83.1813, 0.3347, 0.3360 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 83.1813, 0.3347, 0.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

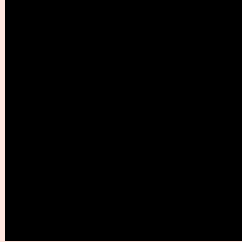
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

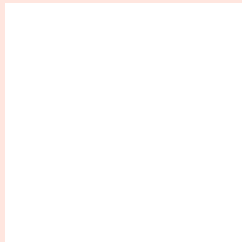
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1813, 0.3347, 0.3360

Background



This preview shows how black text looks on a background with the Yxy color 83.1813, 0.3347, 0.3360.

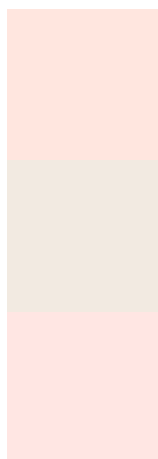


This preview shows how white text looks on a background with the Yxy color 83.1813, 0.3347, 0.3360.

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

83.1813, 0.3347, 0.3360

Protanopia

83.1591, 0.3239, 0.3382

Deuteranopia

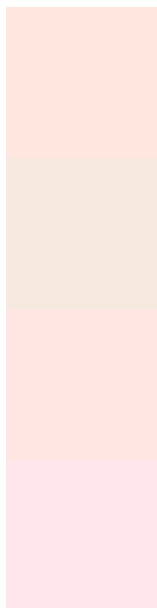
83.3997, 0.3320, 0.3320



Tritanopia

83.2179, 0.3217, 0.3143

Trichromacy



Original Color

83.1813, 0.3347, 0.3360

Protanomaly

83.4338, 0.3281, 0.3381

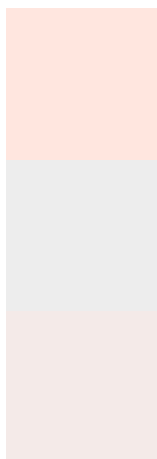
Deuteranomaly

83.3446, 0.3327, 0.3330

Tritanomaly

83.3548, 0.3262, 0.3221

Monochromacy



Original Color

83.1813, 0.3347, 0.3360

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

83.9049, 0.3208, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1813, 0.3347, 0.3360 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 223) }
```

Border

The CSS property to change the border of an element to Yxy 83.1813, 0.3347, 0.3360 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, 223) }
```

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

```
.border{ border-color:rgb(255, 230, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1813, 0.3347, 0.3360 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
230, 223) }
```

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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