

Converting Colors

Yxy(83.4938, 0.3505, 0.3631)

Have a look what the booklet for
Yxy(83.4938, 0.3505, 0.3631)
contains.

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Color

Yxy(83.6613, 0.3504, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C7
RGB	255, 233, 199
RGB Percent	100%, 91%, 78%
CMY	0.0000, 0.0863, 0.2196
CMYK	0.00, 0.09, 0.22, 0.00
HSL	36°, 100%, 89%
HSV	36°, 22%, 100%
XYZ	80.6907, 83.6613, 65.9296
YIQ	235.7020, 24.0260, -5.9100

Conversions

Conversions Part 2

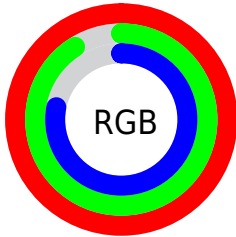
Format	Color
R _Y B	235, 255, 199
Decimal	16771527
CIE Lab	93.30, 2.31, 19.25
CIE LCh	93, 19.390, 83.171
Yxy	83.6613, 0.3504, 0.3633
Android (android.graphics.Color)	4294961607 (0xFFFFE9C7)
YUV	235.7020, -18.0941, 16.9243
Hunter-Lab	91.4666, -2.5960, 21.2900

Details

The Yxy color **83.6613, 0.3504, 0.3633** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.0764, 0.2773, 0.2921**, and the grayscale version is **83.7689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4944, 0.3591, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **77.0642, 0.3706, 0.3797**, and if you desaturate by 10%, it is **90.7824, 0.3321, 0.3473**.

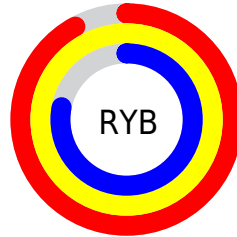
Distribution



Red (100%)

Green (91%)

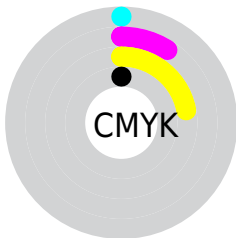
Blue (78%)



Red (92%)

Yellow (100%)

Blue (78%)

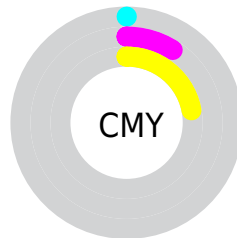


Cyan (0%)

Magenta (9%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6613, 0.3504, 0.3633 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 83.6613, 0.3504, 0.3633 by changing the saturation by 10% instead.


 83.6613, 0.3504,
0.3633

 83.6613, 0.3504,
0.3633


507.1878, 0.3334,
0.3479

 62.7358, 0.3542,
0.3667


138.5013, 0.3446,
0.3581

 45.6275, 0.3588,
0.3708


173.1846, 0.3423,
0.3560

 31.9520, 0.3645,
0.3759


213.2227, 0.3403,
0.3542

 21.3248, 0.3719,
0.3823

258.9998, 0.3386,
0.3527

 13.3617, 0.3816,
0.3908

310.9006, 0.3370,
0.3513

 7.6781, 0.3950,
0.4023

369.3092, 0.3357,

 3.8896, 0.4143,

0.3500

0.4185

434.6102, 0.3345,
0.3489

1.6120, 0.4639,
0.4623

0.3657, 0.5248,
0.4752

83.6613, 0.3504,
0.3633

83.6613, 0.3504,
0.3633

77.0642, 0.3706,
0.3797

90.7824, 0.3321,
0.3473

70.9706, 0.3924,
0.3957

98.4366, 0.3157,
0.3319

65.3662, 0.4154,
0.4106

100.0000, 0.3127,
0.3290

60.2335, 0.4388,
0.4232

■ 55.5536, 0.4615,
0.4323

■ 51.3054, 0.4823,
0.4368

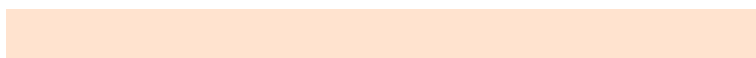
■ 47.4644, 0.5000,
0.4359

■ 44.6448, 0.5119,
0.4317

Harmonies

Analogous

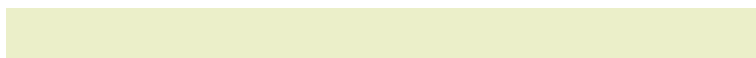
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6613, 0.3571, 0.3492



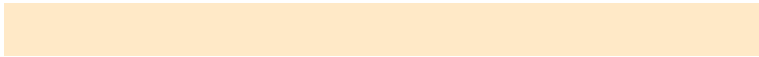
83.6613, 0.3504, 0.3633



83.6613, 0.3336, 0.3686

Triad

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



83.6613, 0.3504, 0.3633



83.6613, 0.2755, 0.3254



83.6613, 0.3126, 0.2985

Complementary

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



83.6613, 0.3504, 0.3633



71.0764, 0.2773, 0.2921

Split Complementary

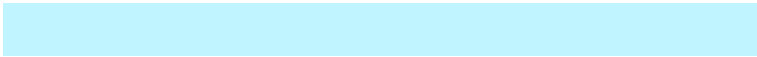
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6613, 0.2912, 0.2919



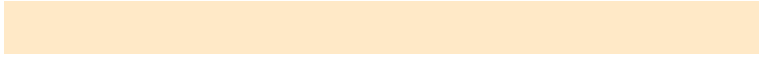
83.6613, 0.3504, 0.3633



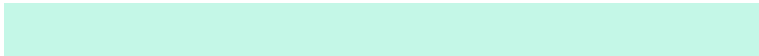
83.6613, 0.2703, 0.3065

Square

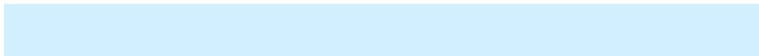
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6613, 0.3504, 0.3633



83.6613, 0.2904, 0.3463



83.6613, 0.2759, 0.2946



83.6613, 0.3348, 0.3124

Rectangle

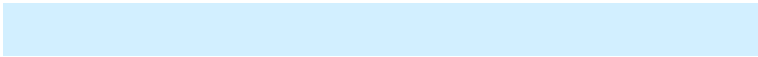
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6613, 0.3504, 0.3633



83.6613, 0.3191, 0.3658



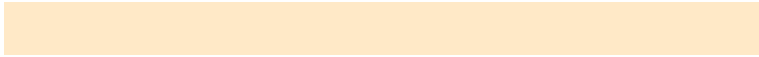
83.6613, 0.2759, 0.2946



83.6613, 0.3051, 0.2953

Sweetspot

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



83.6630, 0.3504, 0.3633



94.5105, 0.3237, 0.3395



67.3507, 0.3401, 0.3063



20.1305, 0.3247, 0.3405



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.



83.6630, 0.3504, 0.3633



80.9347, 0.3583, 0.3699



95.8571, 0.3422, 0.3847



19.8226, 0.3279, 0.3434



23.6272, 0.5100, 0.4333



2.5135, 0.4968, 0.4437

Inverse Universe

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



71.0764, 0.2773, 0.2921



66.4717, 0.2703, 0.2843



60.9916, 0.2792, 0.2680



18.5483, 0.2979, 0.3142



8.8225, 0.1677, 0.1238



1.0644, 0.1739, 0.1461

Previews

White Background



This preview shows how the Yxy color 83.6613, 0.3504, 0.3633 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 83.6613, 0.3504, 0.3633 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 83.6613, 0.3504, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 83.6613, 0.3504, 0.3633.

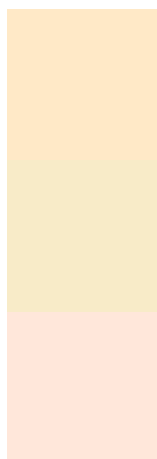


This preview shows how white text looks on a background with the Yxy color 83.6613, 0.3504, 0.3633.

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

83.6613, 0.3504, 0.3633

Protanopia

83.5433, 0.3443, 0.3648

Deuteranopia

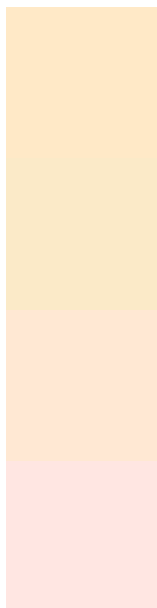
83.4738, 0.3379, 0.3421



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.6613, 0.3504, 0.3633

Protanomaly

83.5250, 0.3466, 0.3636

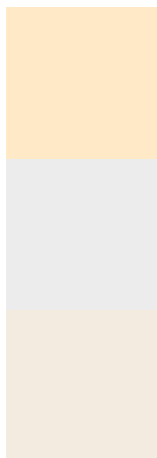
Deuteranomaly

83.6764, 0.3425, 0.3501

Tritanomaly

83.3446, 0.3327, 0.3330

Monochromacy



Original Color

83.6613, 0.3504, 0.3633

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7991, 0.3257, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6613, 0.3504, 0.3633 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, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 199)  
}
```

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, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 199) }
```

Border

The CSS property to change the border of an element to Yxy 83.6613, 0.3504, 0.3633 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, 233, 199) }
```

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

```
.border{ border-color:rgb(255, 233, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6613, 0.3504, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 199) }
```

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

```
.background{ background-color: rgb(255,  
233, 199) }
```

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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