

Converting Colors

$Y_{xy}(80.7380, 0.3517, 0.3586)$

Have a look what the booklet for
Yxy(80.7380, 0.3517, 0.3586)
contains.

Yxy(80.8703, 0.3514, 0.3584)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.8703, 0.3514, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	FFE4C7
RGB	255, 228, 199
RGB Percent	100%, 89%, 78%
CMY	0.0001, 0.1058, 0.2195
CMYK	0.00, 0.11, 0.22, 0.00
HSL	31°, 100%, 89%
HSV	31°, 22%, 100%
XYZ	79.2908, 80.8703, 65.4815
YIQ	232.7670, 25.4010, -3.2950

Conversions

Conversions Part 2

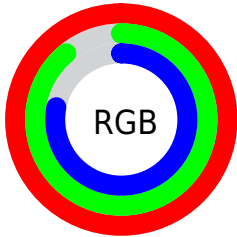
Format	Color
R_{YB}	251, 255, 199
Decimal	16770247
CIE _{Lab}	92.07, 4.85, 17.52
CIE _{LCh}	92, 18.176, 74.524
Yxy	80.8703, 0.3514, 0.3584
Android (android.graphics.Color)	4294960327 (0xFFFFE4C7)
YUV	232.7670, -16.6471, 19.4983
Hunter-Lab	89.9279, 0.0123, 19.7772

Details

The Yxy color **80.8703, 0.3514, 0.3584** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.7626, 0.2777, 0.2977**, and the grayscale version is **81.4169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9372, 0.3604, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **73.2612, 0.3728, 0.3725**, and if you desaturate by 10%, it is **89.1662, 0.3324, 0.3446**.

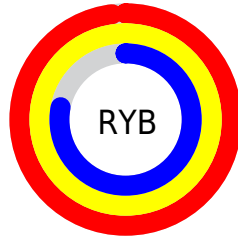
Distribution



Red (100%)

Green (89%)

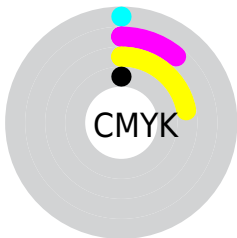
Blue (78%)



Red (98%)

Yellow (100%)

Blue (78%)

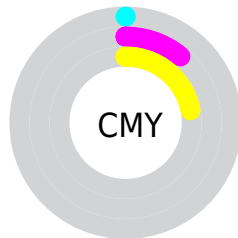


Cyan (0%)

Magenta (11%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8703, 0.3514, 0.3584 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 80.8703, 0.3514, 0.3584 by changing the saturation by 10% instead.


 80.8703, 0.3514,
0.3584

 80.8703, 0.3514,
0.3584

497.8610, 0.3338,
0.3452

 60.4348, 0.3554,
0.3613


134.5886, 0.3453,
0.3539

 43.7692, 0.3602,
0.3648


168.6403, 0.3430,
0.3522

 30.4891, 0.3663,
0.3692


207.9994, 0.3409,
0.3506

 20.2101, 0.3741,
0.3747

253.0503, 0.3391,
0.3493

 12.5479, 0.3845,
0.3819

304.1776, 0.3375,
0.3481

 7.1180, 0.3991,
0.3917

361.7655, 0.3361,

 3.5360, 0.4206,

0.3470

0.4055

426.1985, 0.3349,
0.3461

■ 1.4175, 0.4791,
0.4480

■ 0.2296, 0.5945,
0.4055

■ 80.8703, 0.3514,
0.3584

■ 80.8703, 0.3514,
0.3584

■ 73.2612, 0.3728,
0.3725

■ 89.1662, 0.3324,
0.3446

■ 66.3080, 0.3965,
0.3864

■ 98.1567, 0.3157,
0.3315

■ 59.9936, 0.4222,
0.3993

■ 99.9972, 0.3127,
0.3290

■ 54.2953, 0.4491,
0.4100

■ 49.1891, 0.4760,
0.4172

■ 44.6483, 0.5013,
0.4197

■ 40.6425, 0.5233,
0.4168

■ 37.7738, 0.5383,
0.4108

Harmonies

Analogous

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



80.8703, 0.3544, 0.3434



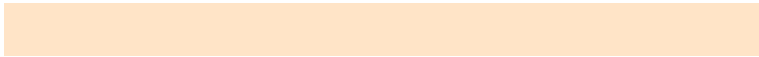
80.8703, 0.3514, 0.3584



80.8703, 0.3379, 0.3661

Triad

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



80.8703, 0.3514, 0.3584



80.8703, 0.2806, 0.3314



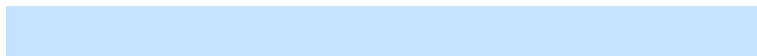
80.8703, 0.3065, 0.2974

Complementary

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



80.8703, 0.3514, 0.3584



73.7626, 0.2777, 0.2977

Split Complementary

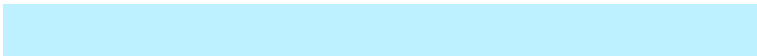
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8703, 0.2873, 0.2936



80.8703, 0.3514, 0.3584



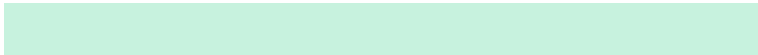
80.8703, 0.2728, 0.3124

Square

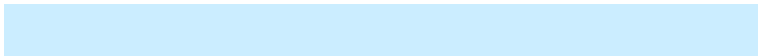
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8703, 0.3514, 0.3584



80.8703, 0.2969, 0.3505



80.8703, 0.2752, 0.2988



80.8703, 0.3279, 0.3088

Rectangle

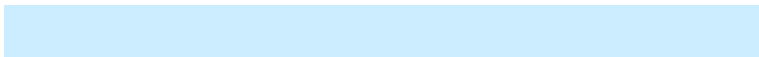
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8703, 0.3514, 0.3584



80.8703, 0.3249, 0.3655



80.8703, 0.2752, 0.2988



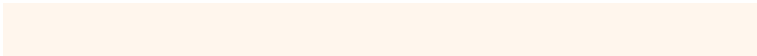
80.8703, 0.2996, 0.2952

Sweetspot

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



80.8740, 0.3514, 0.3584



93.5348, 0.3239, 0.3380



67.6138, 0.3365, 0.3017



19.9045, 0.3249, 0.3388



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.



80.8740, 0.3514, 0.3584



77.7154, 0.3598, 0.3641



96.7164, 0.3453, 0.3841



19.5433, 0.3281, 0.3413



20.0410, 0.5358, 0.4128



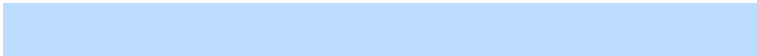
2.1702, 0.5189, 0.4262

Inverse Universe

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



73.7626, 0.2777, 0.2977



69.5364, 0.2710, 0.2911



60.3549, 0.2761, 0.2675



18.8230, 0.2979, 0.3164



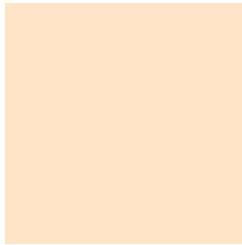
11.4625, 0.1754, 0.1514



1.3335, 0.1813, 0.1725

Previews

White Background



This preview shows how the Yxy color 80.8703, 0.3514, 0.3584 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 80.8703, 0.3514, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

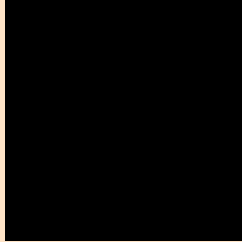
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8703, 0.3514, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 80.8703, 0.3514, 0.3584.



This preview shows how white text looks on a background with the Yxy color 80.8703, 0.3514, 0.3584.

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

80.8703, 0.3514, 0.3584

Protanopia

81.1634, 0.3413, 0.3611

Deuteranopia

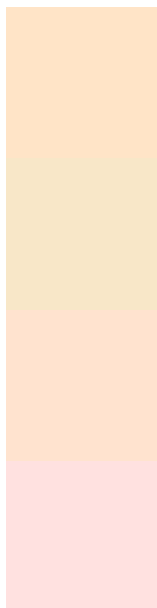
80.9516, 0.3426, 0.3442



Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.8703, 0.3514, 0.3584

Protanomaly

81.2784, 0.3450, 0.3609

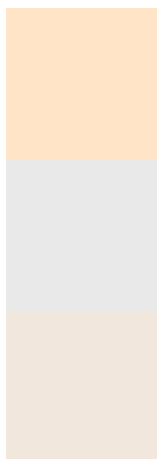
Deuteranomaly

80.7032, 0.3461, 0.3493

Tritanomaly

80.4922, 0.3347, 0.3301

Monochromacy



Original Color

80.8703, 0.3514, 0.3584

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0731, 0.3261, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8703, 0.3514, 0.3584 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, 228, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 199) }
```

Border

The CSS property to change the border of an element to Yxy 80.8703, 0.3514, 0.3584 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, 228, 199) }
```

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

```
.border{ border-color:rgb(255, 228, 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, 228, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 199); box-shadow:4px 4px 4px 4px rgb(255, 228, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8703, 0.3514, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 199) }
```

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

```
.background{ background-color: rgb(255,  
228, 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](#).

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