

Converting Colors

$Y_{xy}(80.1293, 0.3497, 0.3538)$

Have a look what the booklet for
Yxy(80.1293, 0.3497, 0.3538)
contains.

Yxy(79.9170, 0.3498, 0.3534)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.9170, 0.3498, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2CA
RGB	255, 226, 202
RGB Percent	100%, 89%, 79%
CMY	0.0000, 0.1137, 0.2079
CMYK	0.00, 0.11, 0.21, 0.00
HSL	27°, 100%, 90%
HSV	27°, 21%, 100%
XYZ	79.1029, 79.9170, 67.1176
YIQ	231.9350, 24.9880, -1.3160

Conversions

Conversions Part 2

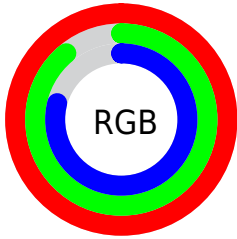
Format	Color
R _Y B	255, 246, 202
Decimal	16769738
CIE Lab	91.65, 6.32, 15.39
CIE LCh	92, 16.634, 67.685
Yxy	79.9170, 0.3498, 0.3534
Android (android.graphics.Color)	4294959818 (0xFFFFE2CA)
YUV	231.9350, -14.7580, 20.2280
Hunter-Lab	89.3963, 1.5033, 18.0632

Details

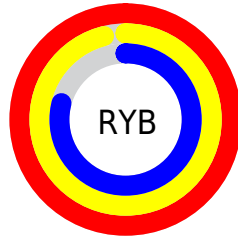
The Yxy color **79.9170, 0.3498, 0.3534** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.9129, 0.2799, 0.3033**, and the grayscale version is **80.7394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2697, 0.3583, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **71.5256, 0.3718, 0.3659**, and if you desaturate by 10%, it is **89.1205, 0.3306, 0.3413**.

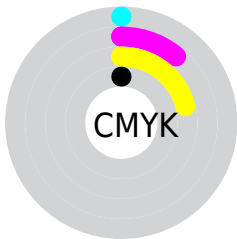
Distribution



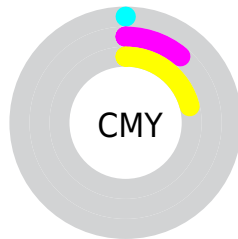
- Red (100%)
- Green (89%)
- Blue (79%)



- Red (100%)
- Yellow (96%)
- Blue (79%)



- Cyan (0%)
- Magenta (11%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9170, 0.3498, 0.3534 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 79.9170, 0.3498, 0.3534 by changing the saturation by 10% instead.

 79.9170, 0.3498,
0.3534

 79.9170, 0.3498,
0.3534

494.6531, 0.3328,
0.3425

 59.6501, 0.3536,
0.3558


133.2490, 0.3440,
0.3497

 43.1366, 0.3583,
0.3587

167.0829, 0.3417,
0.3482

 29.9923, 0.3642,
0.3623


206.2079, 0.3397,
0.3470

 19.8328, 0.3718,
0.3669

251.0084, 0.3380,
0.3459

 12.2735, 0.3821,
0.3728

301.8687, 0.3365,
0.3449

 6.9303, 0.3965,
0.3809

359.1734, 0.3351,

 3.4185, 0.4181,

0.3440

0.3923

423.3067, 0.3339,
0.3432

■ 1.3539, 0.4718,
0.4251

■ 0.1824, 0.6423,
0.3577

■ 79.9170, 0.3498,
0.3534

■ 79.9170, 0.3498,
0.3534

■ 71.5256, 0.3718,
0.3659

■ 89.1205, 0.3306,
0.3413

■ 63.9288, 0.3966,
0.3782

■ 99.1661, 0.3139,
0.3299

■ 57.0984, 0.4241,
0.3896

■ 100.0000, 0.3127,
0.3290

■ 51.0070, 0.4535,
0.3991

■ 45.6252, 0.4836,
0.4054

■ 40.9207, 0.5125,
0.4071

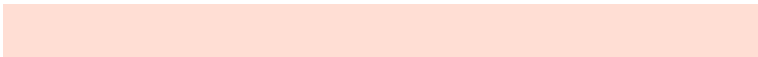
■ 36.8575, 0.5380,
0.4033

■ 33.6414, 0.5576,
0.3955

Harmonies

Analogous

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



79.9170, 0.3500, 0.3386



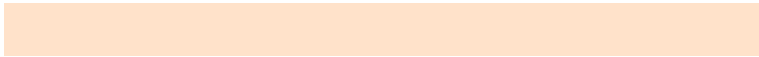
79.9170, 0.3498, 0.3534



79.9170, 0.3394, 0.3622

Triad

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



79.9170, 0.3498, 0.3534



79.9170, 0.2860, 0.3354



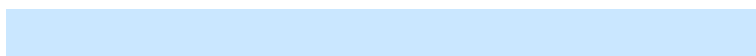
79.9170, 0.3026, 0.2984

Complementary

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



79.9170, 0.3498, 0.3534



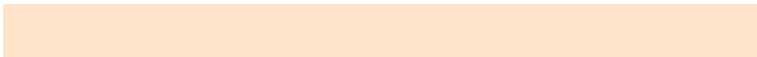
76.9129, 0.2799, 0.3033

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.



79.9170, 0.2861, 0.2968



79.9170, 0.3498, 0.3534



79.9170, 0.2768, 0.3175

Square

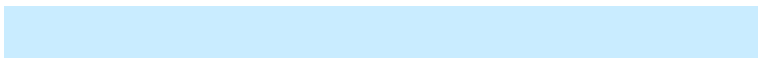
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9170, 0.3498, 0.3534



79.9170, 0.3024, 0.3521



79.9170, 0.2768, 0.3035



79.9170, 0.3223, 0.3075

Rectangle

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



79.9170, 0.3498, 0.3534



79.9170, 0.3282, 0.3632



79.9170, 0.2768, 0.3035



79.9170, 0.2965, 0.2969

Sweetspot

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



79.9147, 0.3498, 0.3534



93.8298, 0.3223, 0.3357



69.2673, 0.3323, 0.2997



19.9436, 0.3234, 0.3365



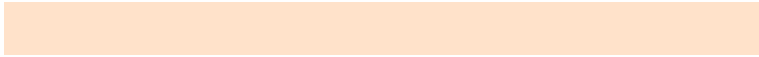
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.9147, 0.3498, 0.3534



76.2878, 0.3587, 0.3586



95.3632, 0.3447, 0.3786



19.3424, 0.3283, 0.3398



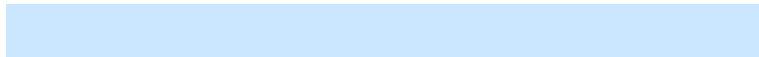
17.8676, 0.5548, 0.3977



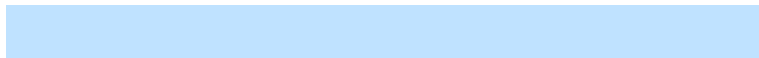
1.9545, 0.5355, 0.4130

Inverse Universe

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



76.9129, 0.2799, 0.3033



72.7862, 0.2730, 0.2974



63.2578, 0.2779, 0.2740



19.0246, 0.2979, 0.3180



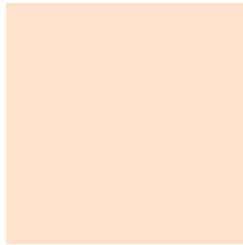
13.7958, 0.1815, 0.1734



1.5617, 0.1868, 0.1925

Previews

White Background



This preview shows how the Yxy color 79.9170, 0.3498, 0.3534 looks on a white background.

Color Contrast Check

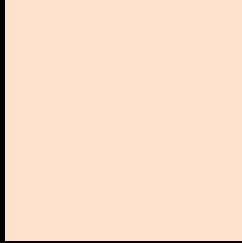
Large Text (above 18pt) WCAG AA × Fail

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 79.9170, 0.3498, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

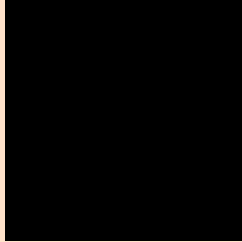
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9170, 0.3498, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 79.9170, 0.3498, 0.3534.

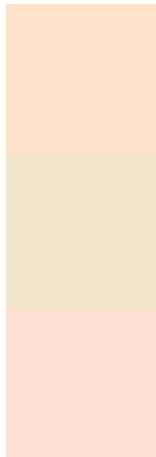


This preview shows how white text looks on a background with the Yxy color 79.9170, 0.3498, 0.3534.

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

79.9170, 0.3498, 0.3534

Protanopia

79.8305, 0.3382, 0.3561

Deuteranopia

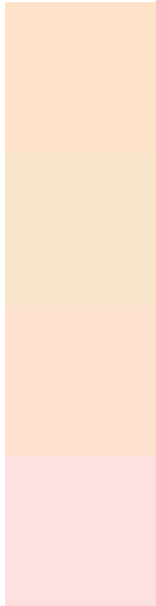
79.8136, 0.3437, 0.3432



Tritanopia

80.1498, 0.3261, 0.3152

Trichromacy



Original Color

79.9170, 0.3498, 0.3534

Protanomaly

80.1246, 0.3426, 0.3558

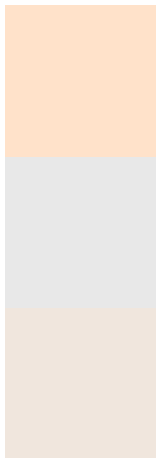
Deuteranomaly

79.6645, 0.3458, 0.3463

Tritanomaly

79.9531, 0.3348, 0.3291

Monochromacy



Original Color

79.9170, 0.3498, 0.3534

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3394, 0.3255, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9170, 0.3498, 0.3534 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, 226, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 202)  
}
```

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, 226, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 202) }
```

Border

The CSS property to change the border of an element to Yxy 79.9170, 0.3498, 0.3534 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, 226, 202) }
```

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

```
.border{ border-color:rgb(255, 226, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9170, 0.3498, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 202) }
```

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

```
.background{ background-color: rgb(255,  
226, 202) }
```

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