

Converting Colors

$Y_{xy}(80.3267, 0.3483, 0.3519)$

Have a look what the booklet for
Yxy(80.3267, 0.3483, 0.3519)
contains.

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Color

Yxy(80.5578, 0.3482, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3CC
RGB	255, 227, 204
RGB Percent	100%, 89%, 80%
CMY	0.0000, 0.1098, 0.2000
CMYK	0.00, 0.11, 0.20, 0.00
HSL	27°, 100%, 90%
HSV	27°, 20%, 100%
XYZ	79.6203, 80.5578, 68.4844
YIQ	232.7500, 24.0710, -1.2170

Conversions

Conversions Part 2

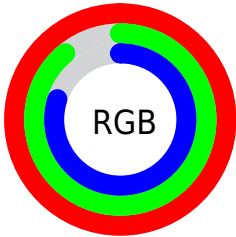
Format	Color
R _Y B	255, 246, 204
Decimal	16769996
CIE Lab	91.93, 6.10, 14.73
CIE LCh	92, 15.948, 67.504
Yxy	80.5578, 0.3482, 0.3523
Android (android.graphics.Color)	4294960076 (0xFFFFE3CC)
YUV	232.7500, -14.1737, 19.5133
Hunter-Lab	89.7540, 1.2769, 17.5881

Details

The Yxy color **80.5578, 0.3482, 0.3523** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.7823, 0.2812, 0.3045**, and the grayscale version is **81.3785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7128, 0.3562, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **72.0753, 0.3700, 0.3647**, and if you desaturate by 10%, it is **89.8552, 0.3292, 0.3403**.

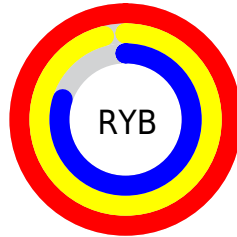
Distribution



Red (100%)

Green (89%)

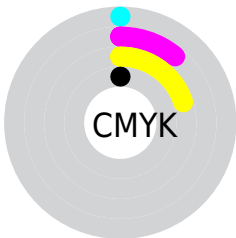
Blue (80%)



Red (100%)

Yellow (96%)

Blue (80%)

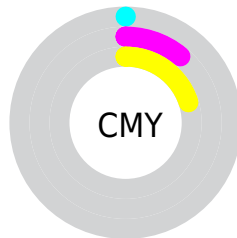


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5578, 0.3482, 0.3523 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 80.5578, 0.3482, 0.3523 by changing the saturation by 10% instead.


 80.5578, 0.3482,
0.3523

 80.5578, 0.3482,
0.3523


496.8107, 0.3320,
0.3419

 60.1775, 0.3518,
0.3546


134.1497, 0.3426,
0.3488

 43.5617, 0.3563,
0.3574

168.1300, 0.3404,
0.3474

 30.3261, 0.3620,
0.3608


207.4125, 0.3386,
0.3462

 20.0862, 0.3692,
0.3652

252.3815, 0.3369,
0.3451

 12.4577, 0.3790,
0.3709

303.4214, 0.3355,
0.3442

 7.0562, 0.3927,
0.3786

360.9167, 0.3342,

 3.4973, 0.4133,

0.3433

0.3895

425.2516, 0.3330,
0.3426

■ 1.3965, 0.4603,
0.4176

■ 0.2142, 0.6221,
0.3779

■ 80.5578, 0.3482,
0.3523

■ 80.5578, 0.3482,
0.3523

■ 72.0753, 0.3700,
0.3647

■ 89.8552, 0.3292,
0.3403

■ 64.3965, 0.3946,
0.3770

100.0000, 0.3127,
0.3290

■ 57.4910, 0.4219,
0.3885

■ 51.3313, 0.4513,
0.3981

■ 45.8879, 0.4815,
0.4046

■ 41.1286, 0.5108,
0.4067

■ 37.0176, 0.5368,
0.4033

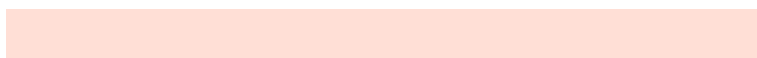
■ 33.5066, 0.5583,
0.3949

■ 33.5054, 0.5583,
0.3949

Harmonies

Analogous

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



80.5578, 0.3483, 0.3381



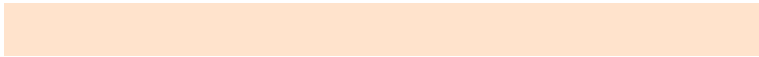
80.5578, 0.3482, 0.3523



80.5578, 0.3383, 0.3608

Triad

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



80.5578, 0.3482, 0.3523



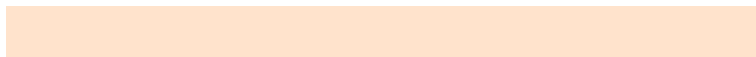
80.5578, 0.2873, 0.3353



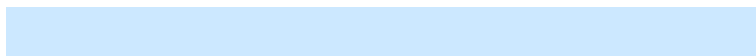
80.5578, 0.3030, 0.2996

Complementary

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



80.5578, 0.3482, 0.3523



77.7823, 0.2812, 0.3045

Split Complementary

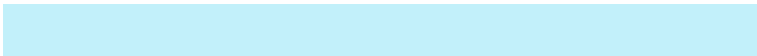
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5578, 0.2872, 0.2982



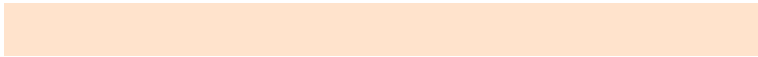
80.5578, 0.3482, 0.3523



80.5578, 0.2784, 0.3181

Square

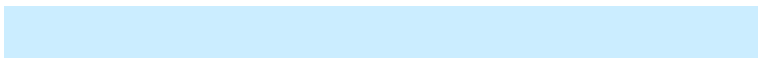
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5578, 0.3482, 0.3523



80.5578, 0.3030, 0.3511



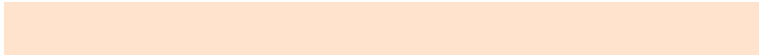
80.5578, 0.2784, 0.3047



80.5578, 0.3218, 0.3083

Rectangle

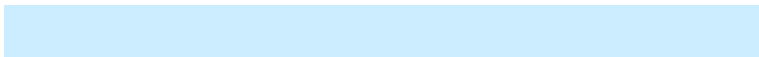
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5578, 0.3482, 0.3523



80.5578, 0.3277, 0.3617



80.5578, 0.2784, 0.3047



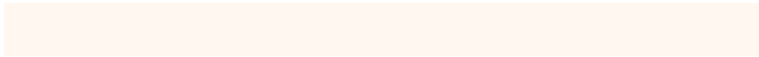
80.5578, 0.2972, 0.2983

Sweetspot

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



80.5534, 0.3482, 0.3523



93.8080, 0.3223, 0.3357



70.2796, 0.3314, 0.3009



19.9385, 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.



80.5534, 0.3482, 0.3523



77.0615, 0.3565, 0.3572



95.5242, 0.3434, 0.3767



19.3352, 0.3283, 0.3397



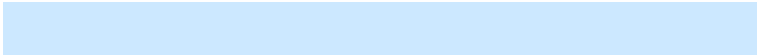
17.7959, 0.5555, 0.3971



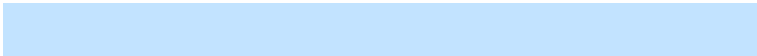
1.9473, 0.5361, 0.4125

Inverse Universe

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



77.7823, 0.2812, 0.3045



73.8294, 0.2747, 0.2990



64.4710, 0.2794, 0.2764



19.0319, 0.2979, 0.3180



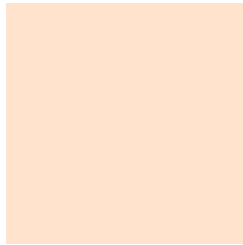
13.8865, 0.1817, 0.1742



1.5704, 0.1870, 0.1932

Previews

White Background



This preview shows how the Yxy color 80.5578, 0.3482, 0.3523 looks on a white background.

Color Contrast Check

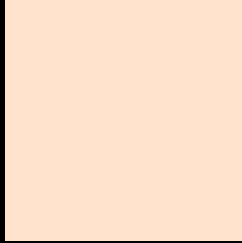
Large Text (above 18pt) WCAG AA × Fail

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 80.5578, 0.3482, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

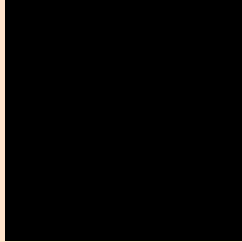
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5578, 0.3482, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 80.5578, 0.3482, 0.3523.

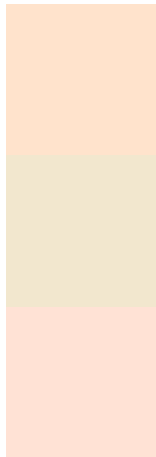


This preview shows how white text looks on a background with the Yxy color 80.5578, 0.3482, 0.3523.

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

80.5578, 0.3482, 0.3523

Protanopia

80.4853, 0.3367, 0.3550

Deuteranopia

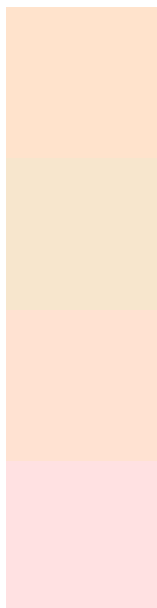
80.4568, 0.3421, 0.3422



Tritanopia

80.7444, 0.3253, 0.3152

Trichromacy



Original Color

80.5578, 0.3482, 0.3523

Protanomaly

80.7756, 0.3411, 0.3547

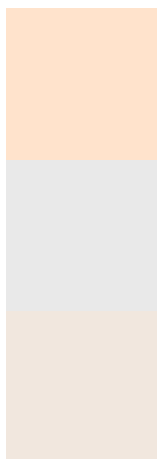
Deuteranomaly

80.3059, 0.3442, 0.3452

Tritanomaly

80.6014, 0.3333, 0.3281

Monochromacy



Original Color

80.5578, 0.3482, 0.3523

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.1265, 0.3254, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5578, 0.3482, 0.3523 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, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 204)  
}
```

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, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 204) }
```

Border

The CSS property to change the border of an element to Yxy 80.5578, 0.3482, 0.3523 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, 227, 204) }
```

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

```
.border{ border-color:rgb(255, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5578, 0.3482, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 204) }
```

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

```
.background{ background-color: rgb(255,  
227, 204) }
```

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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