

Converting Colors

$Y_{xy}(80.5998, 0.3430, 0.3499)$

Have a look what the booklet for
Yxy(80.5998, 0.3430, 0.3499)
contains.

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Color

Yxy(80.5010, 0.3430, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	FBE4CF
RGB	251, 228, 207
RGB Percent	98%, 89%, 81%
CMY	0.0156, 0.1059, 0.1881
CMYK	0.00, 0.09, 0.18, 0.02
HSL	29°, 85%, 90%
HSV	29°, 18%, 98%
XYZ	78.8009, 80.5010, 70.4384
YIQ	232.4830, 20.4490, -1.6550

Conversions

Conversions Part 2

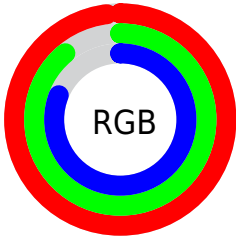
Format	Color
R _Y B	251, 247, 207
Decimal	16508111
CIE Lab	91.91, 4.59, 13.08
CIE LCh	92, 13.859, 70.662
Yxy	80.5010, 0.3430, 0.3504
Android (android.graphics.Color)	4294698191 (0xFFFBE4CF)
YUV	232.4830, -12.5631, 16.2394
Hunter-Lab	89.7223, -0.2420, 16.2588

Details

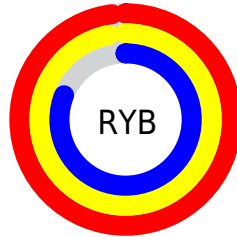
The Yxy color **80.5010, 0.3430, 0.3504** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.8723, 0.2851, 0.3066**, and the grayscale version is **81.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6564, 0.3494, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **72.4129, 0.3638, 0.3634**, and if you desaturate by 10%, it is **89.3415, 0.3248, 0.3379**.

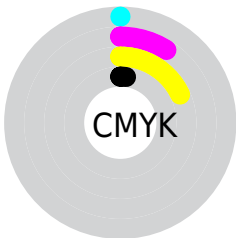
Distribution



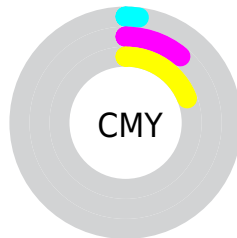
- Red (98%)
- Green (89%)
- Blue (81%)



- Red (98%)
- Yellow (97%)
- Blue (81%)



- Cyan (0%)
- Magenta (9%)
- Yellow (18%)
- Black (2%)





- Cyan (2%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5010, 0.3430, 0.3504 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 80.5010, 0.3430, 0.3504 by changing the saturation by 10% instead.


 80.5010, 0.3430,
0.3504

 80.5010, 0.3430,
0.3504


496.6196, 0.3292,
0.3408

 60.1307, 0.3461,
0.3525


134.0699, 0.3382,
0.3471

 43.5240, 0.3499,
0.3551

168.0373, 0.3364,
0.3458

 30.2965, 0.3547,
0.3583


207.3058, 0.3348,
0.3447

 20.0637, 0.3609,
0.3624

252.2599, 0.3334,
0.3437

 12.4414, 0.3693,
0.3679

303.2839, 0.3321,
0.3429

 7.0450, 0.3810,
0.3753

360.7623, 0.3310,

 3.4903, 0.3987,

0.3421

0.3861

425.0794, 0.3301,
0.3414

■ 1.3927, 0.4362,
0.4102

■ 0.2114, 0.5969,
0.4031

■ 80.5010, 0.3430,
0.3504

■ 80.5010, 0.3430,
0.3504

■ 72.4129, 0.3638,
0.3634

■ 89.3415, 0.3248,
0.3379

■ 65.0450, 0.3872,
0.3764

■ 98.7986, 0.3103,
0.3283

■ 58.3784, 0.4132,
0.3888

■ 99.2550, 0.3103,
0.3290

■ 52.3892, 0.4412,
0.3996

■ 47.0516, 0.4701,
0.4076

■ 42.3380, 0.4985,
0.4115

■ 38.2172, 0.5242,
0.4101

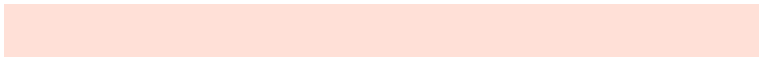
■ 34.6526, 0.5456,
0.4032

■ 33.8467, 0.5505,
0.4011

Harmonies

Analogous

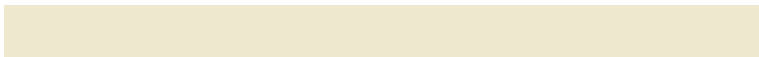
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5010, 0.3440, 0.3385



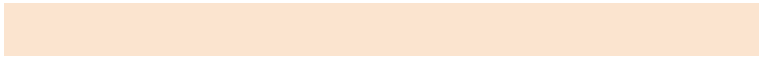
80.5010, 0.3430, 0.3504



80.5010, 0.3337, 0.3569

Triad

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



80.5010, 0.3430, 0.3504



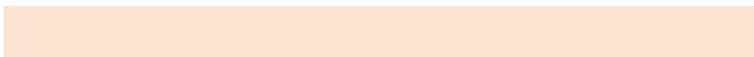
80.5010, 0.2894, 0.3329



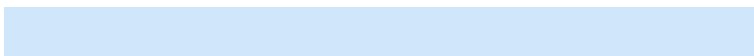
80.5010, 0.3060, 0.3039

Complementary

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



80.5010, 0.3430, 0.3504



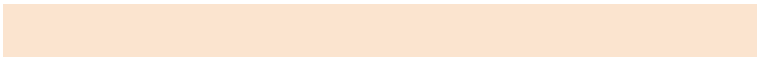
76.8723, 0.2851, 0.3066

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.



80.5010, 0.2917, 0.3019



80.5010, 0.3430, 0.3504



80.5010, 0.2824, 0.3182

Square

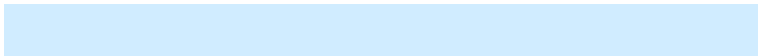
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5010, 0.3430, 0.3504



80.5010, 0.3027, 0.3469



80.5010, 0.2832, 0.3070



80.5010, 0.3223, 0.3121

Rectangle

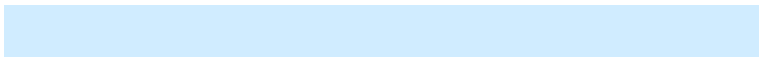
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5010, 0.3430, 0.3504



80.5010, 0.3242, 0.3571



80.5010, 0.2832, 0.3070



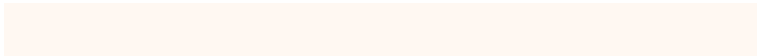
80.5010, 0.3008, 0.3025

Sweetspot

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



80.5046, 0.3430, 0.3504



95.0197, 0.3206, 0.3349



70.8993, 0.3292, 0.3053



20.1918, 0.3218, 0.3357



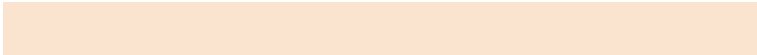
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.5046, 0.3430, 0.3504



80.4138, 0.3499, 0.3549



93.1225, 0.3394, 0.3713



18.5892, 0.3282, 0.3403



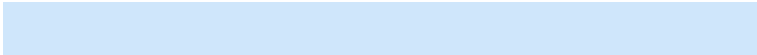
18.0738, 0.5479, 0.4032



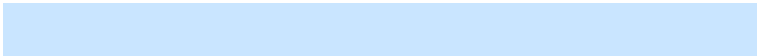
1.8847, 0.5285, 0.4185

Inverse Universe

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



76.8723, 0.2851, 0.3066



76.0109, 0.2794, 0.3016



65.5947, 0.2839, 0.2828



18.1472, 0.2980, 0.3174



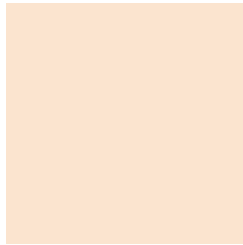
12.5493, 0.1793, 0.1655



1.3747, 0.1851, 0.1864

Previews

White Background



This preview shows how the Yxy color 80.5010, 0.3430, 0.3504 looks on a white background.

Color Contrast Check

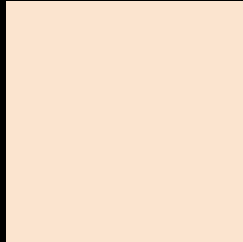
Large Text (above 18pt) WCAG AA × Fail

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 80.5010, 0.3430, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

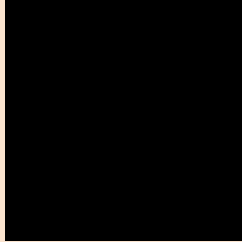
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5010, 0.3430, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 80.5010, 0.3430, 0.3504.

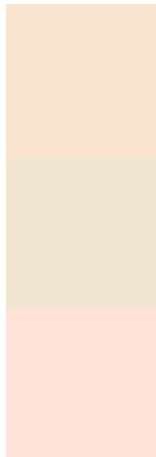


This preview shows how white text looks on a background with the Yxy color 80.5010, 0.3430, 0.3504.

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

80.5010, 0.3430, 0.3504

Protanopia

80.4560, 0.3340, 0.3519

Deuteranopia

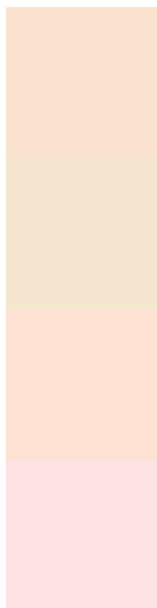
80.5590, 0.3407, 0.3401



Tritanopia

80.3266, 0.3240, 0.3123

Trichromacy



Original Color

80.5010, 0.3430, 0.3504

Protanomaly

80.5602, 0.3377, 0.3517

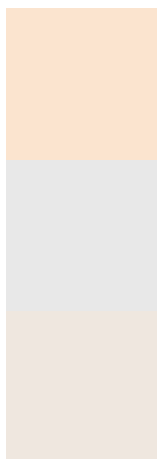
Deuteranomaly

80.7625, 0.3419, 0.3442

Tritanomaly

80.5227, 0.3312, 0.3261

Monochromacy



Original Color

80.5010, 0.3430, 0.3504

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8303, 0.3234, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5010, 0.3430, 0.3504 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(251, 228, 207)` looks like.

```
.text, #text, p{  
    color:rgb(251, 228, 207)  
}
```

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(251, 228, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 228, 207) }
```

Border

The CSS property to change the border of an element to Yxy 80.5010, 0.3430, 0.3504 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(251, 228, 207) }
```

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

```
.border{ border-color:rgb(251, 228, 207) }
```

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

Here you see how a box with a 4 pixel rgb(251, 228, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 228, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 228, 207);  
box-shadow:4px 4px 4px 4px rgb(251, 228,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5010, 0.3430, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 228, 207) }
```

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

```
.background{ background-color: rgb(251,  
228, 207) }
```

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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