

Converting Colors

$Y_{xy}(81.3822, 0.3403, 0.3547)$

Have a look what the booklet for
Yxy(81.3822, 0.3403, 0.3547)
contains.

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Color

Yxy(81.3822, 0.3403, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	F7E7CE
RGB	247, 231, 206
RGB Percent	97%, 91%, 81%
CMY	0.0313, 0.0941, 0.1922
CMYK	0.00, 0.06, 0.17, 0.03
HSL	37°, 72%, 89%
HSV	37°, 17%, 97%
XYZ	78.0783, 81.3822, 69.9791
YIQ	232.9340, 17.5610, -4.3830

Conversions

Conversions Part 2

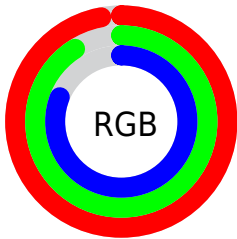
Format	Color
R _Y B	232, 247, 206
Decimal	16246734
CIE Lab	92.30, 1.46, 14.13
CIE LCh	92, 14.205, 84.110
Yxy	81.3822, 0.3403, 0.3547
Android (android.graphics.Color)	4294436814 (0xFFFF7E7CE)
YUV	232.9340, -13.2785, 12.3359
Hunter-Lab	90.2121, -3.3800, 17.1562

Details

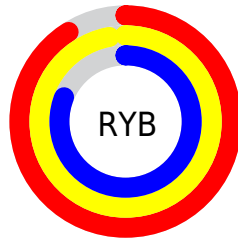
The Yxy color **81.3822, 0.3403, 0.3547** is a light color, and the websafe version is hex **FFFFCC**, and the color name is **champaigne**. A complement of this color would be **72.0854, 0.2863, 0.3019**, and the grayscale version is **81.5286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2648, 0.3458, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **75.0270, 0.3594, 0.3710**, and if you desaturate by 10%, it is **88.2309, 0.3231, 0.3390**.

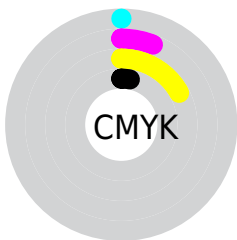
Distribution



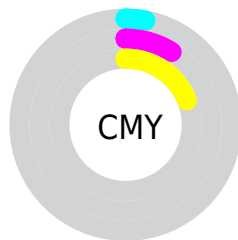
- Red (97%)
- Green (91%)
- Blue (81%)



- Red (91%)
- Yellow (97%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (3%)





- Cyan (3%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3822, 0.3403, 0.3547 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 81.3822, 0.3403, 0.3547 by changing the saturation by 10% instead.


 81.3822, 0.3403,
0.3547

 81.3822, 0.3403,
0.3547


499.5788, 0.3278,
0.3431

 60.8564, 0.3431,
0.3573


135.3073, 0.3360,
0.3507

 44.1093, 0.3465,
0.3604

169.4754, 0.3343,
0.3492

 30.7565, 0.3508,
0.3644


208.9598, 0.3329,
0.3478

 20.4135, 0.3564,
0.3695

254.1447, 0.3316,
0.3466

 12.6959, 0.3638,
0.3762

305.4147, 0.3305,
0.3456

 7.2195, 0.3742,
0.3855

363.1541, 0.3295,

 3.5998, 0.3896,

0.3447

0.3993

427.7474, 0.3286,
0.3438

■ 1.4523, 0.4235,
0.4300

■ 0.2548, 0.5216,
0.4784

■ 81.3822, 0.3403,
0.3547

■ 81.3822, 0.3403,
0.3547

■ 75.0270, 0.3594,
0.3710

■ 88.2309, 0.3231,
0.3390

■ 69.1408, 0.3803,
0.3873

■ 95.5494, 0.3079,
0.3244

■ 63.7129, 0.4026,
0.4030

■ 98.5178, 0.3078,
0.3290

■ 58.7280, 0.4258,
0.4170

■ 54.1695, 0.4489,
0.4282

■ 50.0190, 0.4708,
0.4354

■ 46.2560, 0.4902,
0.4375

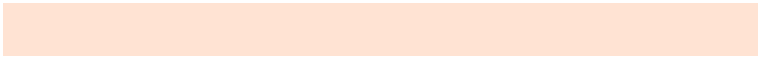
■ 42.8556, 0.5061,
0.4343

■ 41.7738, 0.5110,
0.4324

Harmonies

Analogous

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



81.3822, 0.3454, 0.3446



81.3822, 0.3403, 0.3547



81.3822, 0.3278, 0.3581

Triad

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



81.3822, 0.3403, 0.3547



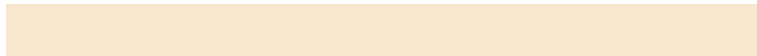
81.3822, 0.2848, 0.3261



81.3822, 0.3133, 0.3064

Complementary

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



81.3822, 0.3403, 0.3547



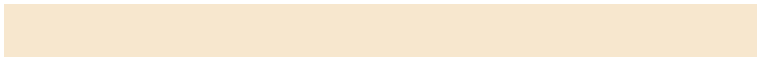
72.0854, 0.2863, 0.3019

Split Complementary

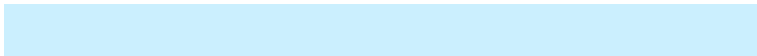
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3822, 0.2973, 0.3014



81.3822, 0.3403, 0.3547



81.3822, 0.2811, 0.3122

Square

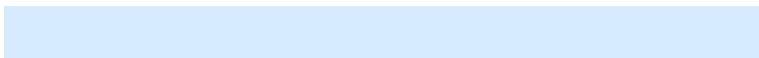
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3822, 0.3403, 0.3547



81.3822, 0.2958, 0.3413



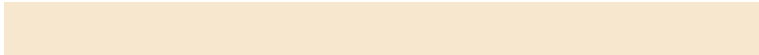
81.3822, 0.2856, 0.3033



81.3822, 0.3296, 0.3171

Rectangle

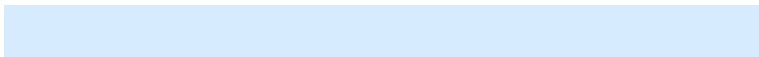
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3822, 0.3403, 0.3547



81.3822, 0.3171, 0.3557



81.3822, 0.2856, 0.3033



81.3822, 0.3077, 0.3040

Sweetspot

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



81.3858, 0.3403, 0.3547



96.0706, 0.3205, 0.3365



69.2118, 0.3322, 0.3121



20.4472, 0.3216, 0.3376



0.0000, 0.0000, 0.0000



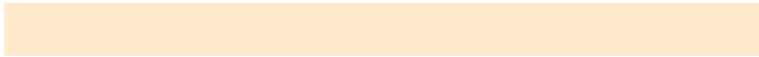
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3858, 0.3403, 0.3547



85.0864, 0.3466, 0.3602



90.0295, 0.3349, 0.3707



18.1639, 0.3278, 0.3434



22.3731, 0.5091, 0.4340



2.1659, 0.4948, 0.4453

Inverse Universe

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



72.0854, 0.2863, 0.3019



73.3217, 0.2806, 0.2957



64.5706, 0.2883, 0.2844



16.9879, 0.2980, 0.3142



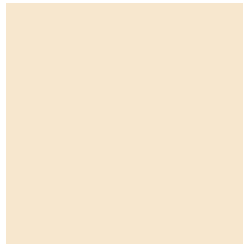
8.2748, 0.1676, 0.1234



0.9210, 0.1745, 0.1481

Previews

White Background



This preview shows how the Yxy color 81.3822, 0.3403, 0.3547 looks on a white background.

Color Contrast Check

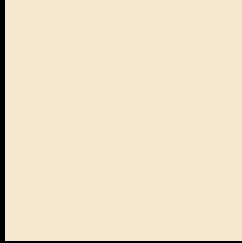
Large Text (above 18pt) WCAG AA × Fail

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 81.3822, 0.3403, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

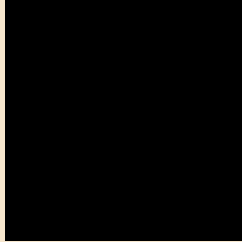
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

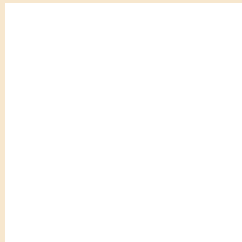
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3822, 0.3403, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 81.3822, 0.3403, 0.3547.

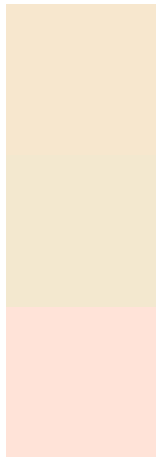


This preview shows how white text looks on a background with the Yxy color 81.3822, 0.3403, 0.3547.

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

81.3822, 0.3403, 0.3547

Protanopia

81.2729, 0.3366, 0.3549

Deuteranopia

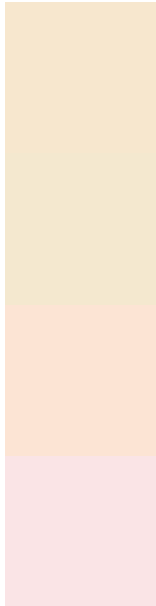
81.1560, 0.3399, 0.3401



Tritanopia

81.5592, 0.3197, 0.3122

Trichromacy



Original Color

81.3822, 0.3403, 0.3547

Protanomaly

81.4513, 0.3373, 0.3548

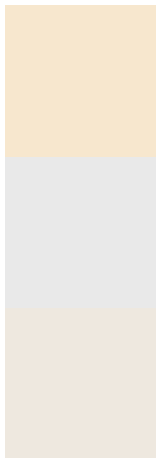
Deuteranomaly

80.9357, 0.3403, 0.3453

Tritanomaly

81.5240, 0.3267, 0.3270

Monochromacy



Original Color

81.3822, 0.3403, 0.3547

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2181, 0.3226, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3822, 0.3403, 0.3547 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(247, 231, 206)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 206)  
}
```

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(247, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 206) }
```

Border

The CSS property to change the border of an element to Yxy 81.3822, 0.3403, 0.3547 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(247, 231, 206) }
```

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

```
.border{ border-color:rgb(247, 231, 206) }
```

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

Here you see how a box with a 4 pixel rgb(247, 231, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3822, 0.3403, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 206) }
```

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

```
.background{ background-color: rgb(247,  
231, 206) }
```

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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