

Converting Colors

$Y_{xy}(100.0000, 0.4068, 0.3565)$

Have a look what the booklet for
Yxy(100.0000, 0.4068, 0.3565)
contains.

Yxy(82.4430, 0.3522, 0.3634)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.4430, 0.3522, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C5
RGB	255, 231, 197
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0941, 0.2275
CMYK	0.00, 0.09, 0.23, 0.00
HSL	35°, 100%, 89%
HSV	35°, 23%, 100%
XYZ	79.9021, 82.4430, 64.5206
YIQ	234.3000, 25.2180, -5.4860

Conversions

Conversions Part 2

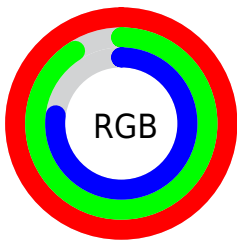
Format	Color
R _Y B	238, 255, 197
Decimal	16771013
CIE Lab	92.77, 3.06, 19.55
CIE LCh	93, 19.785, 81.113
Yxy	82.4430, 0.3522, 0.3634
Android (android.graphics.Color)	4294961093 (0xFFFFE7C5)
YUV	234.3000, -18.3889, 18.1539
Hunter-Lab	90.7981, -1.8172, 21.4276

Details

The Yxy color **82.4430, 0.3522, 0.3634** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.8017, 0.2760, 0.2920**, and the grayscale version is **82.6428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **45.0396, 0.3612, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **75.6386, 0.3728, 0.3792**, and if you desaturate by 10%, it is **89.7962, 0.3336, 0.3478**.

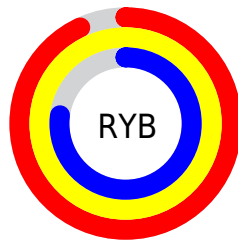
Distribution



Red (100%)

Green (91%)

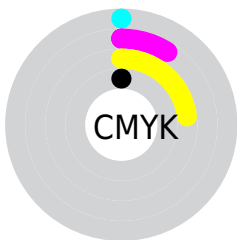
Blue (77%)



Red (93%)

Yellow (100%)

Blue (77%)

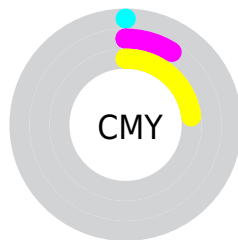


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4430, 0.3522, 0.3634 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 82.4430, 0.3522, 0.3634 by changing the saturation by 10% instead.


 82.4430, 0.3522,
0.3634

 82.4430, 0.3522,
0.3634


503.1283, 0.3343,
0.3480

 61.7308, 0.3562,
0.3668


136.7951, 0.3461,
0.3582

 44.8152, 0.3611,
0.3709

171.2037, 0.3437,
0.3561

 31.3119, 0.3671,
0.3760


210.9465, 0.3416,
0.3543

 20.8364, 0.3749,
0.3825

256.4080, 0.3398,
0.3527

 13.0045, 0.3852,
0.3910

307.9726, 0.3382,
0.3513

 7.4316, 0.3994,
0.4024

366.0245, 0.3367,

 3.7335, 0.4200,

0.3501

0.4185

430.9483, 0.3355,
0.3490

■ 1.5256, 0.4788,
0.4682

■ 0.3067, 0.5442,
0.4558

■ 82.4430, 0.3522,
0.3634

■ 82.4430, 0.3522,
0.3634

■ 75.6386, 0.3728,
0.3792

■ 89.7962, 0.3336,
0.3478

■ 69.3744, 0.3952,
0.3947

■ 97.7212, 0.3169,
0.3329

■ 63.6308, 0.4189,
0.4090

100.0000, 0.3127,
0.3290

■ 58.3892, 0.4431,
0.4210

■ 53.6295, 0.4667,
0.4293

■ 49.3293, 0.4883,
0.4329

■ 45.4627, 0.5067,
0.4311

■ 42.9055, 0.5180,
0.4269

Harmonies

Analogous

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



82.4430, 0.3582, 0.3484



82.4430, 0.3522, 0.3634



82.4430, 0.3355, 0.3696

Triad

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



82.4430, 0.3522, 0.3634



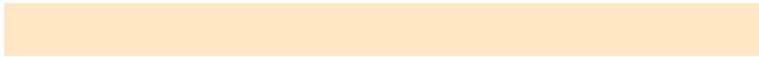
82.4430, 0.2753, 0.3268



82.4430, 0.3110, 0.2970

Complementary

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



82.4430, 0.3522, 0.3634



70.8017, 0.2760, 0.2920

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.



82.4430, 0.2893, 0.2909



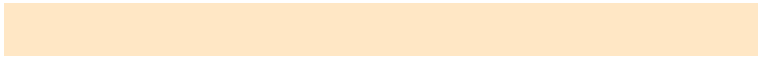
82.4430, 0.3522, 0.3634



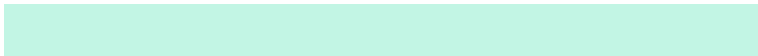
82.4430, 0.2693, 0.3071

Square

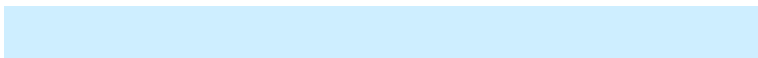
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4430, 0.3522, 0.3634



82.4430, 0.2912, 0.3481



82.4430, 0.2743, 0.2943



82.4430, 0.3339, 0.3108

Rectangle

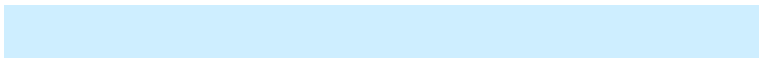
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4430, 0.3522, 0.3634



82.4430, 0.3208, 0.3673



82.4430, 0.2743, 0.2943



82.4430, 0.3033, 0.2940

Sweetspot

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



82.4405, 0.3522, 0.3634



94.2804, 0.3238, 0.3392



66.4191, 0.3405, 0.3045



20.0772, 0.3248, 0.3401



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.



82.4405, 0.3522, 0.3634



79.4811, 0.3607, 0.3701



95.9057, 0.3440, 0.3866



19.7566, 0.3280, 0.3429



22.7206, 0.5159, 0.4285



2.4278, 0.5019, 0.4397

Inverse Universe

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



70.8017, 0.2760, 0.2920



66.0965, 0.2688, 0.2840



59.6825, 0.2772, 0.2654



18.6125, 0.2979, 0.3147



9.3853, 0.1694, 0.1299



1.1231, 0.1756, 0.1522

Previews

White Background



This preview shows how the Yxy color 82.4430, 0.3522, 0.3634 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 82.4430, 0.3522, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

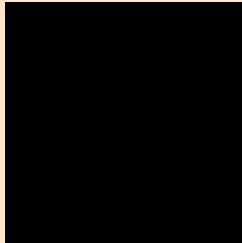
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4430, 0.3522, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 82.4430, 0.3522, 0.3634.

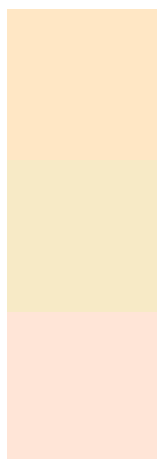


This preview shows how white text looks on a background with the Yxy color 82.4430, 0.3522, 0.3634.

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

82.4430, 0.3522, 0.3634

Protanopia

82.6970, 0.3451, 0.3660

Deuteranopia

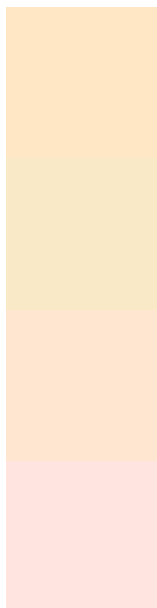
82.2049, 0.3403, 0.3431



Tritanopia

82.4894, 0.3237, 0.3162

Trichromacy



Original Color

82.4430, 0.3522, 0.3634

Protanomaly

82.6790, 0.3475, 0.3648

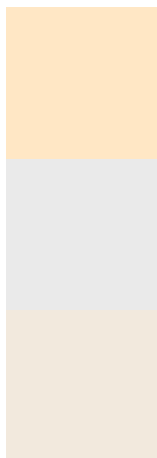
Deuteranomaly

82.4077, 0.3449, 0.3512

Tritanomaly

82.1286, 0.3343, 0.3331

Monochromacy



Original Color

82.4430, 0.3522, 0.3634

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3755, 0.3265, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4430, 0.3522, 0.3634 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, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 197)  
}
```

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, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.4430, 0.3522, 0.3634 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, 231, 197) }
```

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

```
.border{ border-color:rgb(255, 231, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4430, 0.3522, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 197) }
```

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

```
.background{ background-color: rgb(255,  
231, 197) }
```

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