

Converting Colors

$Y_{xy}(92.5819, 0.3791, 0.3510)$

Have a look what the booklet for
Yxy(92.5819, 0.3791, 0.3510)
contains.

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Color

Yxy(82.8681, 0.3460, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7CE
RGB	255, 231, 206
RGB Percent	100%, 91%, 81%
CMY	0.0001, 0.0941, 0.1920
CMYK	0.00, 0.09, 0.19, 0.00
HSL	31°, 100%, 90%
HSV	31°, 19%, 100%
XYZ	80.9496, 82.8681, 70.1408
YIQ	235.3260, 22.3290, -2.6870

Conversions

Conversions Part 2

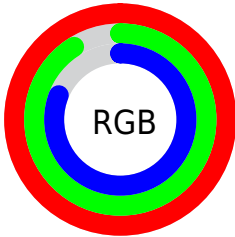
Format	Color
R _Y B	253, 255, 206
Decimal	16771022
CIE Lab	92.96, 4.31, 15.13
CIE LCh	93, 15.727, 74.113
Yxy	82.8681, 0.3460, 0.3542
Android (android.graphics.Color)	4294961102 (0xFFFFE7CE)
YUV	235.3260, -14.4577, 17.2541
Hunter-Lab	91.0319, -0.5757, 18.0390

Details

The Yxy color $82.8681, 0.3460, 0.3542$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $76.9274, 0.2823, 0.3024$, and the grayscale version is $83.4396, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.9327, 0.3535, 0.3587$ is the 20% darker color. If you saturate the color by 10%, you get $74.9924, 0.3668, 0.3681$, and if you desaturate by 10%, it is $91.4503, 0.3276, 0.3407$.

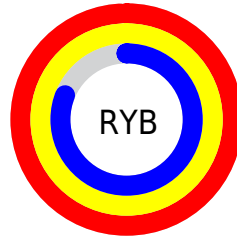
Distribution



Red (100%)

Green (91%)

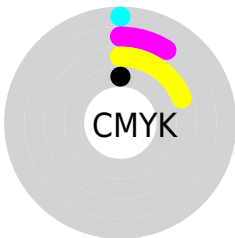
Blue (81%)



Red (99%)

Yellow (100%)

Blue (81%)

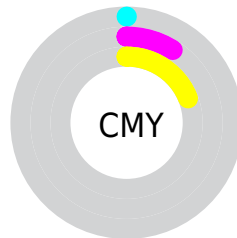


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8681, 0.3460, 0.3542 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 82.8681, 0.3460, 0.3542 by changing the saturation by 10% instead.


 82.8681, 0.3460,
0.3542

 82.8681, 0.3460,
0.3542


504.5468, 0.3309,
0.3429

 62.0813, 0.3494,
0.3567


137.3907, 0.3408,
0.3504

 45.0984, 0.3535,
0.3597


171.8954, 0.3388,
0.3489

 31.5350, 0.3587,
0.3634


211.7414, 0.3370,
0.3476

 21.0065, 0.3653,
0.3682

257.3133, 0.3355,
0.3464

 13.1288, 0.3742,
0.3744

308.9954, 0.3341,
0.3454

 7.5173, 0.3866,
0.3829

367.1721, 0.3329,

 3.7877, 0.4050,

0.3445

0.3950

432.2277, 0.3319,
0.3437

■ 1.5555, 0.4428,
0.4208

■ 0.3273, 0.5598,
0.4402

■ 82.8681, 0.3460,
0.3542

■ 82.8681, 0.3460,
0.3542

■ 74.9924, 0.3668,
0.3681

■ 91.4503, 0.3276,
0.3407

■ 67.7920, 0.3901,
0.3820

99.9933, 0.3127,
0.3290

■ 61.2496, 0.4155,
0.3950

■ 55.3426, 0.4424,
0.4062

■ 50.0470, 0.4698,
0.4144

■ 45.3361, 0.4961,
0.4182

■ 41.1803, 0.5195,
0.4166

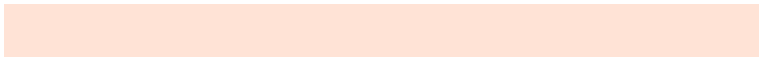
■ 37.5406, 0.5389,
0.4097

■ 37.2659, 0.5404,
0.4091

Harmonies

Analogous

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



82.8681, 0.3484, 0.3413



82.8681, 0.3460, 0.3542



82.8681, 0.3346, 0.3608

Triad

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



82.8681, 0.3460, 0.3542



82.8681, 0.2853, 0.3314



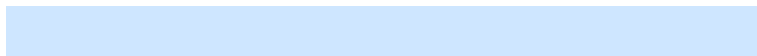
82.8681, 0.3072, 0.3016

Complementary

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



82.8681, 0.3460, 0.3542



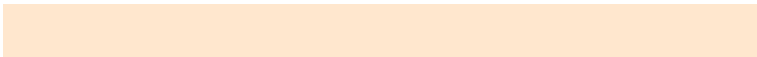
76.9274, 0.2823, 0.3024

Split Complementary

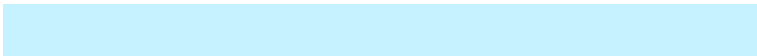
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8681, 0.2907, 0.2985



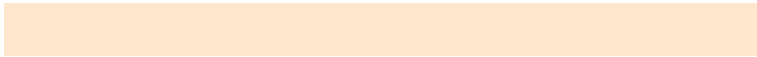
82.8681, 0.3460, 0.3542



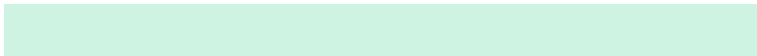
82.8681, 0.2784, 0.3151

Square

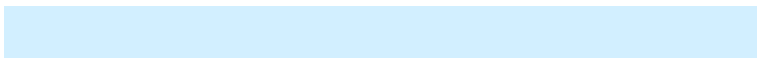
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8681, 0.3460, 0.3542



82.8681, 0.2994, 0.3476



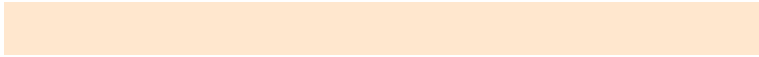
82.8681, 0.2803, 0.3032



82.8681, 0.3256, 0.3115

Rectangle

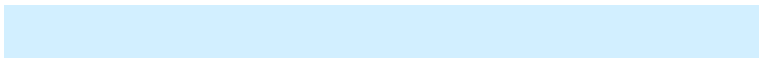
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8681, 0.3460, 0.3542



82.8681, 0.3235, 0.3603



82.8681, 0.2803, 0.3032



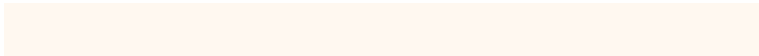
82.8681, 0.3012, 0.2997

Sweetspot

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



82.8718, 0.3460, 0.3542



94.3684, 0.3222, 0.3366



71.1528, 0.3323, 0.3045



20.0709, 0.3233, 0.3374



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.



82.8718, 0.3460, 0.3542



79.8148, 0.3536, 0.3595



97.2085, 0.3417, 0.3770



19.5205, 0.3281, 0.3412



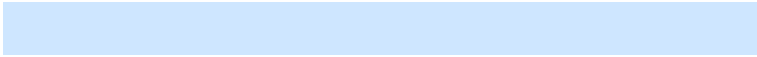
19.7783, 0.5379, 0.4111



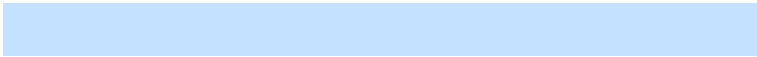
2.1445, 0.5208, 0.4247

Inverse Universe

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



76.9274, 0.2823, 0.3024



72.8829, 0.2760, 0.2965



64.5025, 0.2807, 0.2761



18.8457, 0.2979, 0.3165



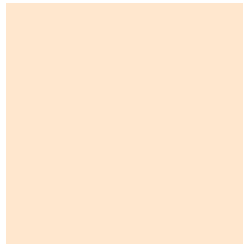
11.7076, 0.1761, 0.1539



1.3578, 0.1819, 0.1747

Previews

White Background



This preview shows how the Yxy color 82.8681, 0.3460, 0.3542 looks on a white background.

Color Contrast Check

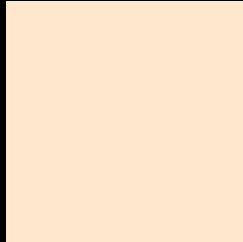
Large Text (above 18pt) WCAG AA × Fail

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 82.8681, 0.3460, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

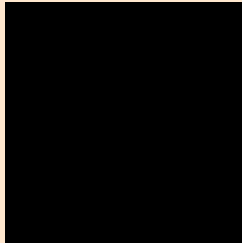
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8681, 0.3460, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 82.8681, 0.3460, 0.3542.

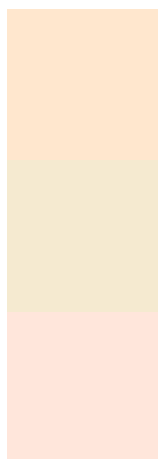


This preview shows how white text looks on a background with the Yxy color 82.8681, 0.3460, 0.3542.

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

82.8681, 0.3460, 0.3542

Protanopia

82.8122, 0.3370, 0.3557

Deuteranopia

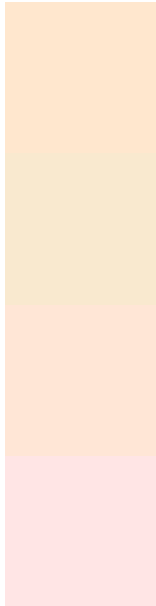
82.9681, 0.3374, 0.3401



Tritanopia

83.1576, 0.3223, 0.3153

Trichromacy



Original Color

82.8681, 0.3460, 0.3542

Protanomaly

82.9226, 0.3407, 0.3555

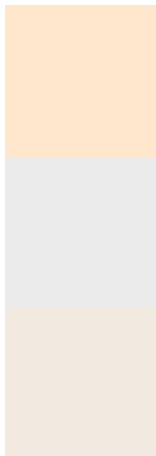
Deuteranomaly

82.7087, 0.3408, 0.3451

Tritanomaly

82.9558, 0.3308, 0.3291

Monochromacy



Original Color

82.8681, 0.3460, 0.3542

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1047, 0.3245, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8681, 0.3460, 0.3542 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 231, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 206) }
```

Border

The CSS property to change the border of an element to Yxy 82.8681, 0.3460, 0.3542 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, 206) }
```

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

```
.border{ border-color:rgb(255, 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(255, 231, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8681, 0.3460, 0.3542 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
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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