

Converting Colors

$Y_{xy}(132.0970, 0.4754, 0.3602)$

Have a look what the booklet for
Yxy(132.0970, 0.4754, 0.3602)
contains.

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Color

Yxy(82.8740, 0.3625, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9B5
RGB	255, 233, 181
RGB Percent	100%, 91%, 71%
CMY	0.0000, 0.0863, 0.2901
CMYK	0.00, 0.09, 0.29, 0.00
HSL	42°, 100%, 85%
HSV	42°, 29%, 100%
XYZ	78.7260, 82.8740, 55.5751
YIQ	233.6500, 29.8040, -11.5080

Conversions

Conversions Part 2

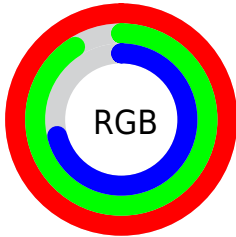
Format	Color
R _Y B	212, 255, 181
Decimal	16771509
CIE Lab	92.96, -0.09, 28.03
CIE LCh	93, 28.027, 90.176
Yxy	82.8740, 0.3625, 0.3816
Android (android.graphics.Color)	4294961589 (0xFFFFE9B5)
YUV	233.6500, -25.9564, 18.7240
Hunter-Lab	91.0352, -4.9472, 27.5293

Details

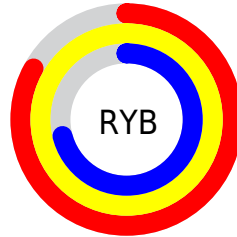
The Yxy color **82.8740, 0.3625, 0.3816** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.7706, 0.2642, 0.2701**, and the grayscale version is **82.1847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **44.8731, 0.3729, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **77.7193, 0.3821, 0.4000**, and if you desaturate by 10%, it is **88.4057, 0.3440, 0.3630**.

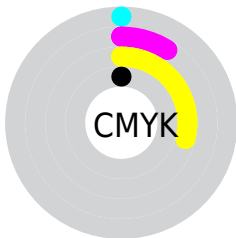
Distribution



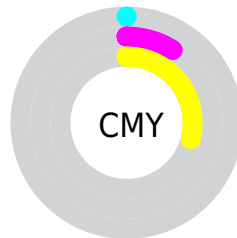
- Red (100%)
- Green (91%)
- Blue (71%)



- Red (83%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8740, 0.3625, 0.3816 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 82.8740, 0.3625, 0.3816 by changing the saturation by 10% instead.


 82.8740, 0.3625,
0.3816

 82.8740, 0.3625,
0.3816


504.5665, 0.3402,
0.3580

 62.0862, 0.3674,
0.3868


 137.3990, 0.3549,
0.3736

 45.1024, 0.3733,
0.3931


171.9049, 0.3519,
0.3704

 31.5381, 0.3807,
0.4008


211.7524, 0.3493,
0.3677

 21.0089, 0.3899,
0.4106

257.3258, 0.3470,
0.3652

 13.1305, 0.4018,
0.4232

309.0096, 0.3450,
0.3631

 7.5185, 0.4175,
0.4398

367.1880, 0.3432,

 3.7884, 0.4389,

0.3612

0.4625

432.2455, 0.3416,
0.3595

■ 1.5559, 0.4868,
0.5132

■ 0.3276, 0.4856,
0.5144

■ 82.8740, 0.3625,
0.3816

■ 82.8740, 0.3625,
0.3816

■ 77.7193, 0.3821,
0.4000

■ 88.4057, 0.3440,
0.3630

■ 72.9276, 0.4023,
0.4174

■ 94.3250, 0.3268,
0.3447

■ 68.4855, 0.4225,
0.4327

100.0000, 0.3127,
0.3290

■ 64.3778, 0.4416,
0.4447

■ 60.5876, 0.4587,
0.4525

■ 57.0951, 0.4730,
0.4553

■ 53.8723, 0.4842,
0.4532

■ 53.5646, 0.4853,
0.4529

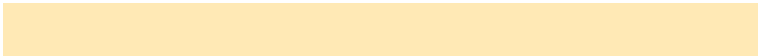
Harmonies

Analogous

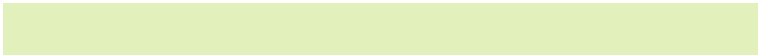
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8740, 0.3765, 0.3628



82.8740, 0.3625, 0.3816



82.8740, 0.3353, 0.3865

Triad

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



82.8740, 0.3625, 0.3816



82.8740, 0.2563, 0.3161



82.8740, 0.3200, 0.2894

Complementary

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



82.8740, 0.3625, 0.3816



59.7706, 0.2642, 0.2701

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.



82.8740, 0.2881, 0.2774



82.8740, 0.3625, 0.3816



82.8740, 0.2526, 0.2909

Square

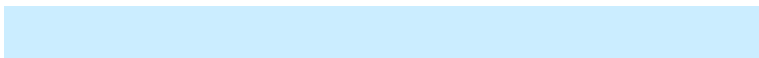
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8740, 0.3625, 0.3816



82.8740, 0.2743, 0.3472



82.8740, 0.2639, 0.2775



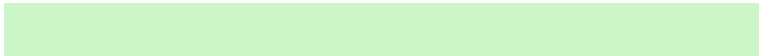
82.8740, 0.3514, 0.3107

Rectangle

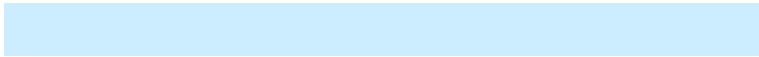
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8740, 0.3625, 0.3816



82.8740, 0.3138, 0.3800



82.8740, 0.2639, 0.2775



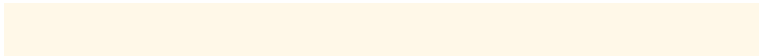
82.8740, 0.3090, 0.2842

Sweetspot

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



82.8744, 0.3625, 0.3816



94.3312, 0.3268, 0.3447



58.6399, 0.3580, 0.3061



20.0011, 0.3292, 0.3473



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

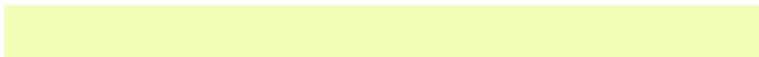
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8744, 0.3625, 0.3816



79.7421, 0.3741, 0.3927



93.4183, 0.3467, 0.4043



20.1248, 0.3277, 0.3456



28.2616, 0.4839, 0.4540



2.9424, 0.4747, 0.4612

Inverse Universe

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



59.7706, 0.2642, 0.2701



53.1284, 0.2532, 0.2556



51.9893, 0.2717, 0.2465



18.2582, 0.2979, 0.3118



6.6870, 0.1608, 0.0987



0.8317, 0.1669, 0.1206

Previews

White Background



This preview shows how the Yxy color 82.8740, 0.3625, 0.3816 looks on a white background.

Color Contrast Check

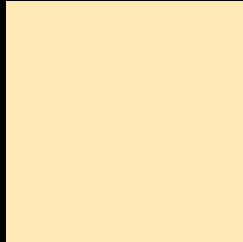
Large Text (above 18pt) WCAG AA × Fail

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 82.8740, 0.3625, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

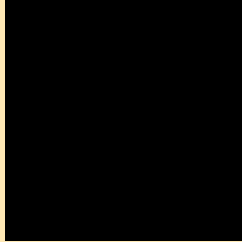
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8740, 0.3625, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 82.8740, 0.3625, 0.3816.



This preview shows how white text looks on a background with the Yxy color 82.8740, 0.3625, 0.3816.

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

82.8740, 0.3625, 0.3816

Protanopia

82.7323, 0.3586, 0.3821

Deuteranopia

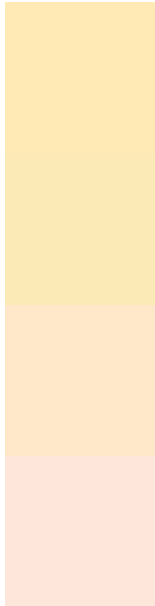
82.6071, 0.3421, 0.3471



Tritanopia

83.0381, 0.3236, 0.3172

Trichromacy



Original Color

82.8740, 0.3625, 0.3816

Protanomaly

82.9185, 0.3594, 0.3820

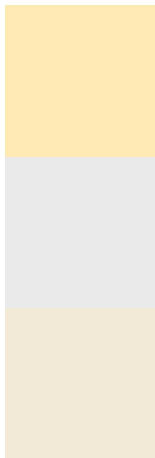
Deuteranomaly

82.6289, 0.3494, 0.3593

Tritanomaly

82.9681, 0.3374, 0.3401

Monochromacy



Original Color

82.8740, 0.3625, 0.3816

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6292, 0.3303, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8740, 0.3625, 0.3816 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, 233, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 181)  
}
```

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, 233, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 181) }
```

Border

The CSS property to change the border of an element to Yxy 82.8740, 0.3625, 0.3816 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, 233, 181) }
```

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

```
.border{ border-color:rgb(255, 233, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 181); box-shadow:4px 4px 4px 4px rgb(255, 233, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8740, 0.3625, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 181) }
```

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

```
.background{ background-color: rgb(255,  
233, 181) }
```

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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