

# Converting Colors

$Y_{xy}(83.5280, 0.3712, 0.3832)$

Have a look what the booklet for  
Yxy(83.5280, 0.3712, 0.3832)  
contains.

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# Color

**Yxy(82.1476, 0.3655, 0.3847)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFE8B1                      |
| RGB         | 255, 232, 177               |
| RGB Percent | 100%, 91%, 69%              |
| CMY         | 0.0000, 0.0902, 0.3058      |
| CMYK        | 0.00, 0.09, 0.31, 0.00      |
| HSL         | 42°, 100%, 85%              |
| HSV         | 42°, 31%, 100%              |
| XYZ         | 78.0477, 82.1476, 53.3415   |
| YIQ         | 232.6070, 31.3630, -12.2290 |

# Conversions

## Conversions Part 2

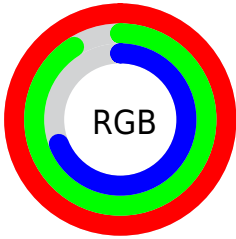
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 210, 255, 177                  |
| Decimal                             | 16771249                       |
| CIE Lab                             | 92.64, -0.06, 29.65            |
| CIE LCh                             | 93, 29.647, 90.120             |
| Yxy                                 | 82.1476, 0.3655,<br>0.3847     |
| Android<br>(android.graphics.Color) | 4294961329<br>(0xFFFFE8B1)     |
| YUV                                 | 232.6070, -27.4143,<br>19.6387 |
| Hunter-Lab                          | 90.6353, -4.9022,<br>28.5508   |

# Details

The Yxy color  $82.1476, 0.3655, 0.3847$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $57.8869, 0.2613, 0.2661$ , and the grayscale version is  $81.3612, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.6632, 0.3256, 0.3503$ , and  $44.7698, 0.3763, 0.3975$  is the 20% darker color. If you saturate the color by 10%, you get  $77.0719, 0.3852, 0.4031$ , and if you desaturate by 10%, it is  $87.5817, 0.3468, 0.3660$ .

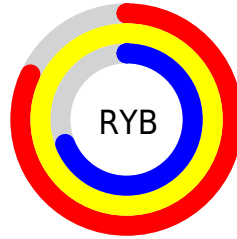
# Distribution



Red (100%)

Green (91%)

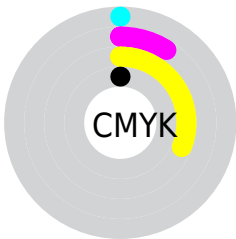
Blue (69%)



Red (82%)

Yellow (100%)

Blue (69%)

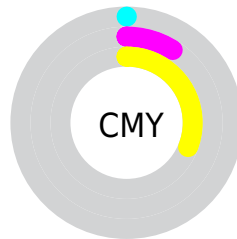


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1476, 0.3655, 0.3847 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 82.1476, 0.3655, 0.3847 by changing the saturation by 10% instead.





 82.1476, 0.3655,  
0.3847

 82.1476, 0.3655,  
0.3847


502.1413, 0.3418,  
0.3597

 61.4872, 0.3707,  
0.3902


 136.3810, 0.3575,  
0.3762

 44.6185, 0.3770,  
0.3968


170.7227, 0.3543,  
0.3729

 31.1570, 0.3847,  
0.4050


210.3937, 0.3515,  
0.3699

 20.7184, 0.3944,  
0.4152

255.7784, 0.3491,  
0.3674

 12.9184, 0.4069,  
0.4284

307.2611, 0.3469,  
0.3651

 7.3723, 0.4232,  
0.4457

365.2262, 0.3450,

 3.6960, 0.4464,

0.3631

0.4701

430.0581, 0.3433,  
0.3613

■ 1.5050, 0.4869,  
0.5131

■ 0.2923, 0.4859,  
0.5141

■ 82.1476, 0.3655,  
0.3847

■ 82.1476, 0.3655,  
0.3847

■ 77.0719, 0.3852,  
0.4031

■ 87.5817, 0.3468,  
0.3660

■ 72.3612, 0.4054,  
0.4202

■ 93.4056, 0.3294,  
0.3476

■ 67.9951, 0.4253,  
0.4351

99.6241, 0.3136,  
0.3300

■ 63.9583, 0.4441,  
0.4466

100.0000, 0.3127,  
0.3290

■ 60.2334, 0.4608,  
0.4536

■ 56.8002, 0.4745,  
0.4557

■ 53.8052, 0.4846,  
0.4534

# Harmonies

## Analogous

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



82.1476, 0.3804, 0.3646



82.1476, 0.3655, 0.3847



82.1476, 0.3366, 0.3902

# Triad

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



82.1476, 0.3655, 0.3847



82.1476, 0.2531, 0.3152



82.1476, 0.3203, 0.2871

# Complementary

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



82.1476, 0.3655, 0.3847



57.8869, 0.2613, 0.2661

# 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.



82.1476, 0.2865, 0.2744



82.1476, 0.3655, 0.3847



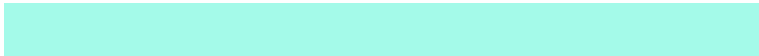
82.1476, 0.2492, 0.2886

# Square

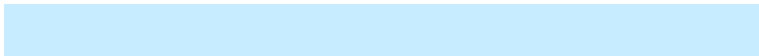
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1476, 0.3655, 0.3847



82.1476, 0.2721, 0.3483



82.1476, 0.2610, 0.2745



82.1476, 0.3537, 0.3096

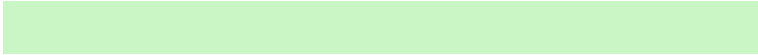


# Rectangle

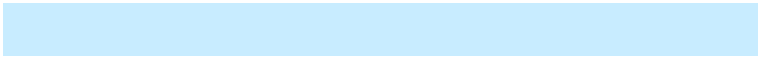
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1476, 0.3655, 0.3847



82.1476, 0.3138, 0.3834



82.1476, 0.2610, 0.2745



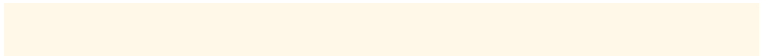
82.1476, 0.3086, 0.2816

# Sweetspot

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



82.1411, 0.3655, 0.3847



94.3643, 0.3268, 0.3448



56.8973, 0.3613, 0.3048



20.0093, 0.3292, 0.3474



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.



82.1411, 0.3655, 0.3847



78.8470, 0.3780, 0.3966



93.1155, 0.3485, 0.4085



20.1323, 0.3277, 0.3457



28.3863, 0.4833, 0.4545



2.9538, 0.4742, 0.4617



# Inverse Universe

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



57.8869, 0.2613, 0.2661



50.9366, 0.2495, 0.2503



49.9541, 0.2690, 0.2414



18.2511, 0.2979, 0.3117



6.6429, 0.1606, 0.0982



0.8267, 0.1667, 0.1200



# Previews

## White Background



This preview shows how the Yxy color 82.1476, 0.3655, 0.3847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

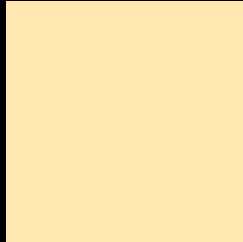
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1476, 0.3655, 0.3847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

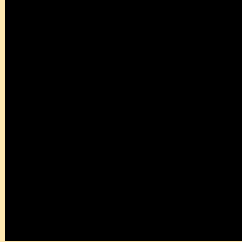
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.1476, 0.3655, 0.3847**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1476, 0.3655, 0.3847.

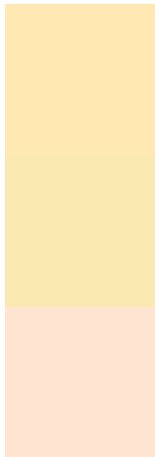


This preview shows how white text looks on a background with the Yxy color 82.1476, 0.3655, 0.3847.

# 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

82.1476, 0.3655, 0.3847

### Protanopia

82.3840, 0.3606, 0.3864

### Deuteranopia

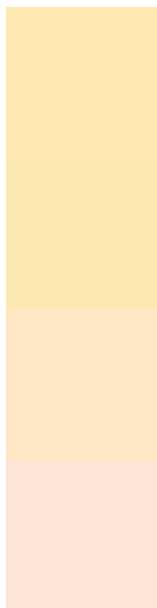
81.9021, 0.3444, 0.3492



## Tritanopia

81.8847, 0.3245, 0.3162

# Trichromacy



## Original Color

82.1476, 0.3655, 0.3847

## Protanomaly

82.1876, 0.3623, 0.3851

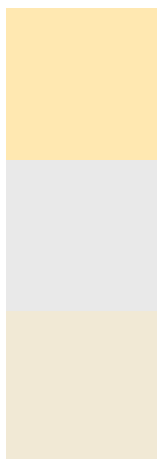
## Deuteranomaly

81.8848, 0.3524, 0.3624

## Tritanomaly

81.7047, 0.3397, 0.3411

# Monochromacy



## Original Color

82.1476, 0.3655, 0.3847

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.7827, 0.3311, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1476, 0.3655, 0.3847 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, 232, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 177)  
}
```

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, 232, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1476, 0.3655, 0.3847 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, 232, 177) }
```

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

```
.border{ border-color:rgb(255, 232, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 232, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 232, 177); box-shadow:4px 4px 4px 4px rgb(255, 232, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1476, 0.3655, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 177) }
```

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

```
.background{ background-color: rgb(255,  
232, 177) }
```

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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