

# Converting Colors

$Yxy(83.2987, 0.3491, 0.3736)$

Have a look what the booklet for  
Yxy(83.2987, 0.3491, 0.3736)  
contains.

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# Color

**Yxy(82.9966, 0.3489, 0.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EBC0
RGB	247, 235, 192
RGB Percent	97%, 92%, 75%
CMY	0.0312, 0.0785, 0.2470
CMYK	0.00, 0.05, 0.22, 0.03
HSL	47°, 78%, 86%
HSV	47°, 22%, 97%
XYZ	77.5925, 82.9966, 61.8027
YIQ	233.6860, 20.9550, -10.8290

# Conversions

## Conversions Part 2

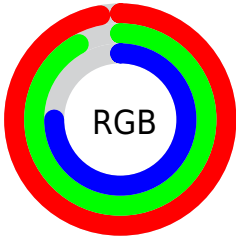
Format	Color
R <sub>Y</sub> B	207, 247, 192
Decimal	16247744
CIE Lab	93.01, -2.58, 22.36
CIE LCh	93, 22.508, 96.587
Yxy	82.9966, 0.3489, 0.3732
Android (android.graphics.Color)	4294437824 (0xFFFF7EBC0)
YUV	233.6860, -20.5512, 11.6764
Hunter-Lab	91.1025, -7.3999, 23.5502

# Details

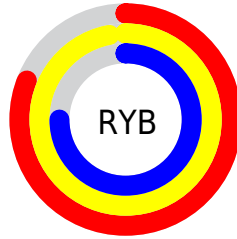
The Yxy color **82.9966, 0.3489, 0.3732** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.1397, 0.2760, 0.2805**, and the grayscale version is **82.1825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **45.0223, 0.3570, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **78.9446, 0.3667, 0.3936**, and if you desaturate by 10%, it is **87.3340, 0.3319, 0.3529**.

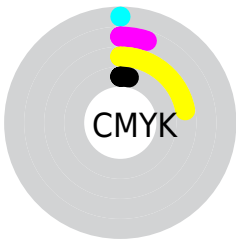
# Distribution



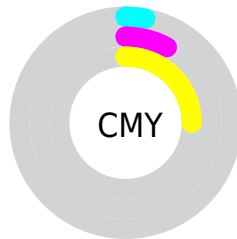
- Red (97%)
- Green (92%)
- Blue (75%)



- Red (81%)
- Yellow (97%)
- Blue (75%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (3%)



- Cyan (3%)
- Magenta (8%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9966, 0.3489, 0.3732 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 82.9966, 0.3489, 0.3732 by changing the saturation by 10% instead.




 82.9966, 0.3489,  
0.3732

 82.9966, 0.3489,  
0.3732


504.9752, 0.3327,  
0.3532

 62.1873, 0.3525,  
0.3777


 137.5707, 0.3434,  
0.3663

 45.1841, 0.3568,  
0.3831


172.1043, 0.3412,  
0.3637

 31.6025, 0.3622,  
0.3899

211.9816, 0.3393,  
0.3613

 21.0580, 0.3690,  
0.3986

257.5867, 0.3376,  
0.3593

 13.1664, 0.3779,  
0.4100

309.3043, 0.3362,  
0.3575

 7.5433, 0.3900,  
0.4257

367.5186, 0.3349,

 3.8041, 0.4066,

0.3559

432.6141, 0.3337,  
0.3545

0.4482

■ 1.5646, 0.4708,  
0.5274

■ 0.3336, 0.4323,  
0.5677

■ 82.9966, 0.3489,  
0.3732

■ 82.9966, 0.3489,  
0.3732

■ 78.9446, 0.3667,  
0.3936

■ 87.3340, 0.3319,  
0.3529

■ 75.1570, 0.3850,  
0.4134

■ 91.9551, 0.3161,  
0.3333

■ 71.6266, 0.4032,  
0.4316

■ 96.1353, 0.3079,  
0.3253

■ 68.3416, 0.4205,  
0.4473

■ 98.5222, 0.3078,  
0.3290

■ 65.2890, 0.4360,  
0.4593

■ 62.4536, 0.4490,  
0.4669

■ 59.8174, 0.4591,  
0.4696

■ 57.8976, 0.4651,  
0.4689

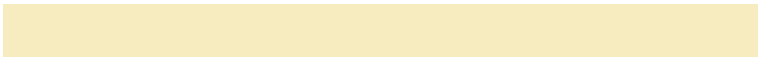
# Harmonies

## Analogous

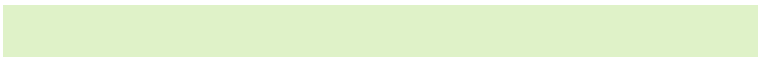
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9966, 0.3626, 0.3605



82.9966, 0.3489, 0.3732



82.9966, 0.3257, 0.3738

# Triad

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



82.9966, 0.3489, 0.3732



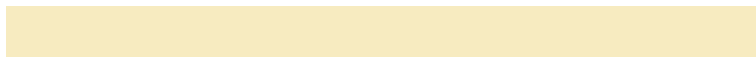
82.9966, 0.2654, 0.3141



82.9966, 0.3244, 0.3000

# Complementary

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



82.9966, 0.3489, 0.3732



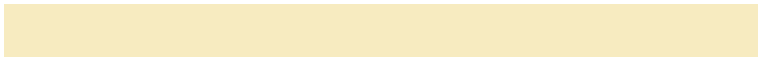
61.1397, 0.2760, 0.2805

# Split Complementary

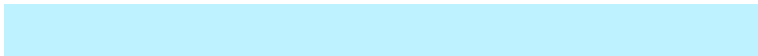
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9966, 0.2982, 0.2883



82.9966, 0.3489, 0.3732



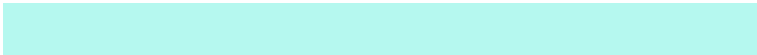
82.9966, 0.2650, 0.2953

# Square

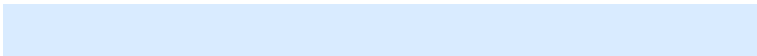
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9966, 0.3489, 0.3732



82.9966, 0.2778, 0.3384



82.9966, 0.2767, 0.2864

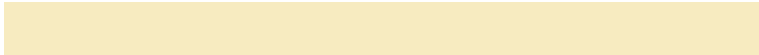


82.9966, 0.3483, 0.3187

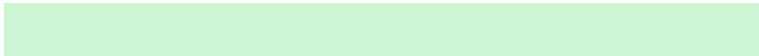


# Rectangle

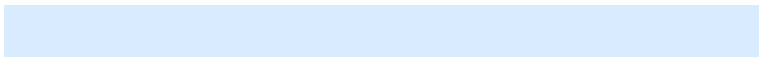
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9966, 0.3489, 0.3732



82.9966, 0.3082, 0.3665



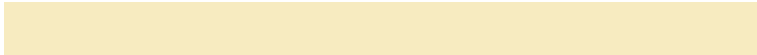
82.9966, 0.2767, 0.2864



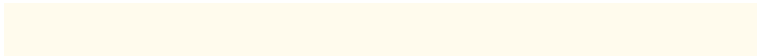
82.9966, 0.3156, 0.2952

# Sweetspot

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



83.0003, 0.3489, 0.3732



96.4345, 0.3235, 0.3425



61.8852, 0.3479, 0.3155



20.5767, 0.3244, 0.3437



0.0000, 0.0000, 0.0000

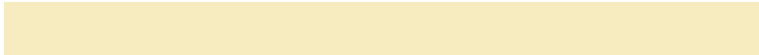


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.0003, 0.3489, 0.3732



87.0862, 0.3573, 0.3830



87.5722, 0.3363, 0.3866



18.6617, 0.3274, 0.3474



30.8267, 0.4642, 0.4696



2.8580, 0.4574, 0.4750



# Inverse Universe

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



61.1397, 0.2760, 0.2805



59.5573, 0.2672, 0.2685



57.6405, 0.2853, 0.2683



16.5150, 0.2979, 0.3099



5.1212, 0.1564, 0.0829

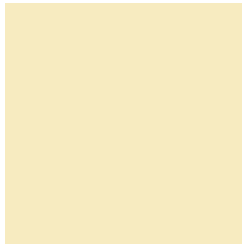


0.5960, 0.1625, 0.1050



# Previews

## White Background



This preview shows how the Yxy color 82.9966, 0.3489, 0.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

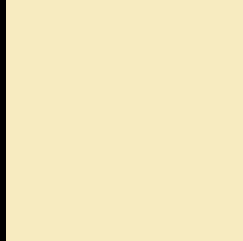
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9966, 0.3489, 0.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

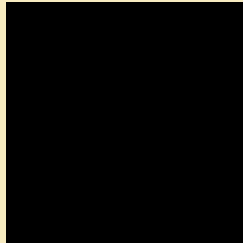
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.9966, 0.3489, 0.3732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9966, 0.3489, 0.3732.

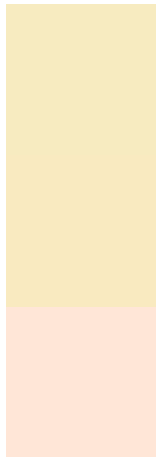


This preview shows how white text looks on a background with the Yxy color 82.9966, 0.3489, 0.3732.

# 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

82.9966, 0.3489, 0.3732

### Protanopia

82.7911, 0.3505, 0.3720

### Deuteranopia

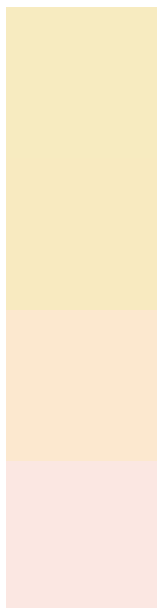
82.7599, 0.3401, 0.3441



## Tritanopia

83.1502, 0.3197, 0.3124

# Trichromacy



## Original Color

82.9966, 0.3489, 0.3732

## Protanomaly

82.6079, 0.3498, 0.3721

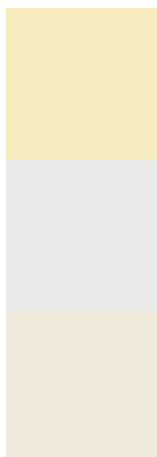
## Deuteranomaly

82.9137, 0.3430, 0.3544

## Tritanomaly

83.1520, 0.3298, 0.3341

# Monochromacy



## Original Color

82.9966, 0.3489, 0.3732

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.3108, 0.3257, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9966, 0.3489, 0.3732 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, 235, 192)` looks like.

```
.text, #text, p{  
    color:rgb(247, 235, 192)  
}
```

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, 235, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 235, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9966, 0.3489, 0.3732 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, 235, 192) }
```

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

```
.border{ border-color:rgb(247, 235, 192) }
```

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

Here you see how a box with a 4 pixel rgb(247, 235, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 235, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 235, 192);  
box-shadow:4px 4px 4px 4px rgb(247, 235,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9966, 0.3489, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 235, 192) }
```

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

```
.background{ background-color: rgb(247,  
235, 192) }
```

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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