

# Converting Colors

$Yxy(98.8940, 0.4060, 0.3657)$

Have a look what the booklet for  
Yxy(98.8940, 0.4060, 0.3657)  
contains.

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# Color

**Yxy(83.2555, 0.3565, 0.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9BE
RGB	255, 233, 190
RGB Percent	100%, 91%, 75%
CMY	0.0000, 0.0863, 0.2550
CMYK	0.00, 0.09, 0.26, 0.00
HSL	40°, 100%, 87%
HSV	40°, 26%, 100%
XYZ	79.6794, 83.2555, 60.5698
YIQ	234.6760, 26.9150, -8.7090

# Conversions

## Conversions Part 2

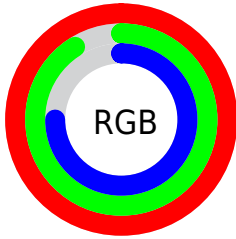
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 255, 190
Decimal	16771518
CIE <sub>Lab</sub>	93.13, 1.08, 23.66
CIE <sub>LCh</sub>	93, 23.687, 87.381
Yxy	83.2555, 0.3565, 0.3725
Android (android.graphics.Color)	4294961598 (0xFFFFE9BE)
YUV	234.6760, -22.0253, 17.8241
Hunter-Lab	91.2445, -3.8023, 24.5133

# Details

The Yxy color **83.2555, 0.3565, 0.3725** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.2391, 0.2708, 0.2813**, and the grayscale version is **82.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **45.2276, 0.3670, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **77.4677, 0.3764, 0.3901**, and if you desaturate by 10%, it is **89.4726, 0.3380, 0.3550**.

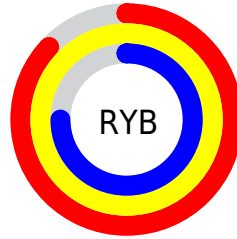
# Distribution



Red (100%)

Green (91%)

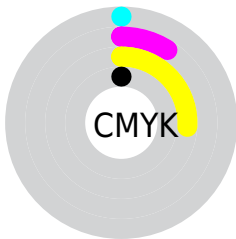
Blue (75%)



Red (87%)

Yellow (100%)

Blue (75%)

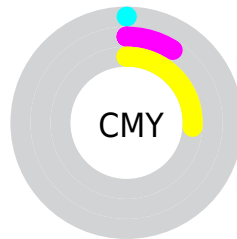


Cyan (0%)

Magenta (9%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2555, 0.3565, 0.3725 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 83.2555, 0.3565, 0.3725 by changing the saturation by 10% instead.




 83.2555, 0.3565,  
0.3725

 83.2555, 0.3565,  
0.3725


505.8376, 0.3368,  
0.3530

 62.4009, 0.3609,  
0.3768


 137.9333, 0.3498,  
0.3659

 45.3568, 0.3662,  
0.3820


172.5252, 0.3471,  
0.3632

 31.7385, 0.3727,  
0.3884


212.4652, 0.3448,  
0.3610

 21.1619, 0.3811,  
0.3966

258.1374, 0.3428,  
0.3590

 13.2424, 0.3920,  
0.4072

309.9264, 0.3410,  
0.3572

 7.5957, 0.4068,  
0.4215

368.2165, 0.3395,

 3.8373, 0.4274,

0.3557

0.4411

433.3921, 0.3381,  
0.3543

1.5830, 0.4937,  
0.5063

0.3461, 0.5066,  
0.4934

83.2555, 0.3565,  
0.3725

83.2555, 0.3565,  
0.3725

77.4677, 0.3764,  
0.3901

89.4726, 0.3380,  
0.3550

72.1026, 0.3974,  
0.4071

96.1387, 0.3212,  
0.3380

67.1434, 0.4189,  
0.4224

100.0000, 0.3127,  
0.3290

62.5743, 0.4401,  
0.4350

■ 58.3779, 0.4598,  
0.4436

■ 54.5341, 0.4770,  
0.4474

■ 51.0193, 0.4910,  
0.4459

■ 49.5310, 0.4964,  
0.4440

# Harmonies

## Analogous

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



83.2555, 0.3668, 0.3561



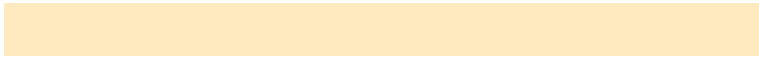
83.2555, 0.3565, 0.3725



83.2555, 0.3345, 0.3775

# Triad

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



83.2555, 0.3565, 0.3725



83.2555, 0.2658, 0.3207



83.2555, 0.3164, 0.2939

# Complementary

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



83.2555, 0.3565, 0.3725



65.2391, 0.2708, 0.2813

# Split Complementary

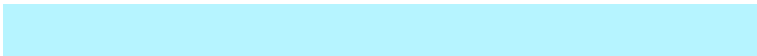
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2555, 0.2897, 0.2845



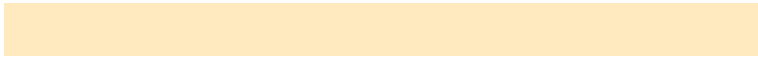
83.2555, 0.3565, 0.3725



83.2555, 0.2614, 0.2987

# Square

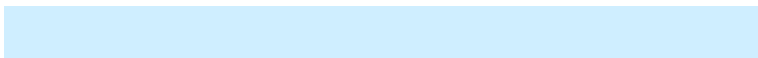
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2555, 0.3565, 0.3725



83.2555, 0.2823, 0.3467



83.2555, 0.2699, 0.2859



83.2555, 0.3432, 0.3116

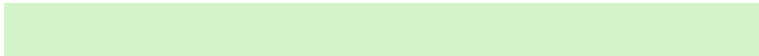


# Rectangle

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



83.2555, 0.3565, 0.3725



83.2555, 0.3164, 0.3728



83.2555, 0.2699, 0.2859



83.2555, 0.3071, 0.2897

# Sweetspot

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



83.2532, 0.3565, 0.3725



94.4298, 0.3253, 0.3421



62.8664, 0.3483, 0.3057



19.9947, 0.3278, 0.3447



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

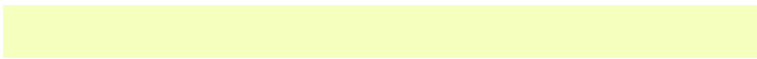
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2532, 0.3565, 0.3725



80.0184, 0.3673, 0.3822



94.6934, 0.3448, 0.3944



19.9947, 0.3278, 0.3447



26.1685, 0.4948, 0.4453



2.7503, 0.4840, 0.4539



# Inverse Universe

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



65.2391, 0.2708, 0.2813



59.0134, 0.2610, 0.2692



56.2778, 0.2752, 0.2572



18.3822, 0.2979, 0.3128



7.5202, 0.1636, 0.1088



0.9249, 0.1698, 0.1312



# Previews

## White Background



This preview shows how the Yxy color 83.2555, 0.3565, 0.3725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

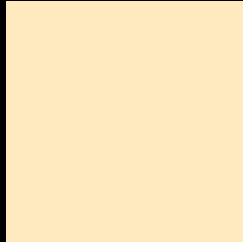
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2555, 0.3565, 0.3725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

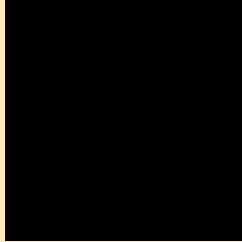
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.2555, 0.3565, 0.3725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2555, 0.3565, 0.3725.



This preview shows how white text looks on a background with the Yxy color 83.2555, 0.3565, 0.3725.

# 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

83.2555, 0.3565, 0.3725

### Protanopia

83.3180, 0.3510, 0.3740

### Deuteranopia

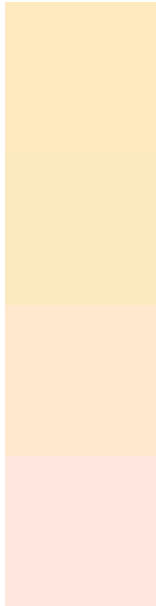
83.3181, 0.3400, 0.3451



## Tritanopia

83.0977, 0.3230, 0.3163

# Trichromacy



## Original Color

83.2555, 0.3565, 0.3725

## Protanomaly

83.1165, 0.3526, 0.3729

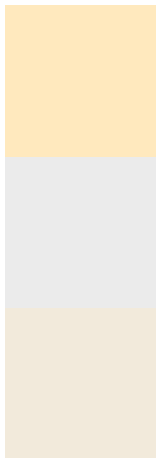
## Deuteranomaly

83.4295, 0.3459, 0.3552

## Tritanomaly

83.1276, 0.3354, 0.3370

# Monochromacy



## Original Color

83.2555, 0.3565, 0.3725

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.8374, 0.3277, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2555, 0.3565, 0.3725 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2555, 0.3565, 0.3725 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, 190) }
```

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

```
.border{ border-color:rgb(255, 233, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 190); box-shadow:4px 4px 4px 4px rgb(255, 233, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2555, 0.3565, 0.3725 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, 190) }
```

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

```
.background{ background-color: rgb(255,  
233, 190) }
```

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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