

# Converting Colors

$Y_{xy}(85.7142, 0.3374, 0.3459)$

Have a look what the booklet for  
Yxy(85.7142, 0.3374, 0.3459)  
contains.

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# Color

**Yxy(85.7386, 0.3374, 0.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBDA
RGB	255, 235, 218
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0784, 0.1452
CMYK	0.00, 0.08, 0.15, 0.00
HSL	28°, 100%, 93%
HSV	28°, 15%, 100%
XYZ	83.6075, 85.7386, 78.4533
YIQ	239.0420, 17.3770, -1.0470

# Conversions

## Conversions Part 2

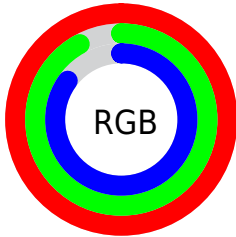
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 249, 218
Decimal	16772058
CIE Lab	94.20, 4.08, 10.70
CIE LCh	94, 11.451, 69.151
Yxy	85.7386, 0.3374, 0.3460
Android (android.graphics.Color)	4294962138 (0xFFFFE8DA)
YUV	239.0420, -10.3737, 13.9952
Hunter-Lab	92.5951, -0.8673, 14.5818

# Details

The Yxy color **85.7386, 0.3374, 0.3460** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2554, 0.2899, 0.3114**, and the grayscale version is **86.4198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8903, 0.3430, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **76.9190, 0.3575, 0.3584**, and if you desaturate by 10%, it is **95.3716, 0.3198, 0.3341**.

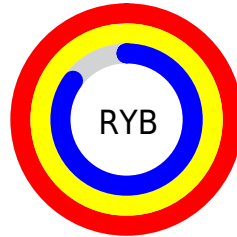
# Distribution



Red (100%)

Green (92%)

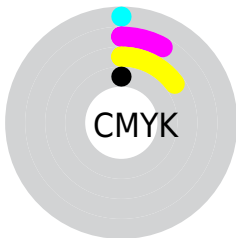
Blue (85%)



Red (100%)

Yellow (98%)

Blue (85%)

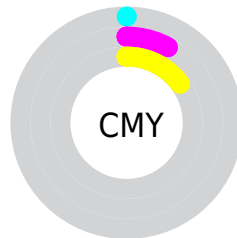


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7386, 0.3374, 0.3460 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 85.7386, 0.3374, 0.3460 by changing the saturation by 10% instead.




 85.7386, 0.3374,  
0.3460

 85.7386, 0.3374,  
0.3460


514.0689, 0.3263,  
0.3384

 64.4518, 0.3399,  
0.3477


141.4047, 0.3336,  
0.3434

 47.0167, 0.3429,  
0.3497

176.5527, 0.3321,  
0.3424

 33.0489, 0.3467,  
0.3522


217.0900, 0.3308,  
0.3415

 22.1639, 0.3516,  
0.3553

263.4010, 0.3297,  
0.3408

 13.9774, 0.3581,  
0.3595

315.8699, 0.3287,  
0.3401

 8.1049, 0.3671,  
0.3652

374.8813, 0.3278,

 4.1622, 0.3806,

0.3395

0.3735

440.8195, 0.3270,  
0.3389

■ 1.7647, 0.4027,  
0.3863

■ 0.4650, 0.5380,  
0.4620

■ 85.7386, 0.3374,  
0.3460

■ 85.7386, 0.3374,  
0.3460

■ 76.9190, 0.3575,  
0.3584

■ 95.3716, 0.3198,  
0.3341

■ 68.8939, 0.3805,  
0.3711

100.0000, 0.3127,  
0.3290

■ 61.6374, 0.4062,  
0.3834

■ 55.1238, 0.4342,  
0.3944

■ 49.3257, 0.4638,  
0.4030

■ 44.2132, 0.4933,  
0.4079

■ 39.7537, 0.5209,  
0.4077

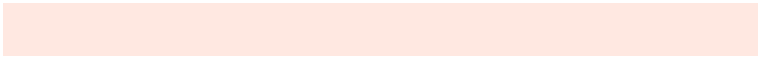
■ 35.9099, 0.5444,  
0.4020

■ 34.0429, 0.5556,  
0.3971

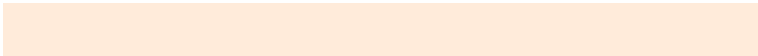
# Harmonies

## Analogous

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



85.7386, 0.3379, 0.3362



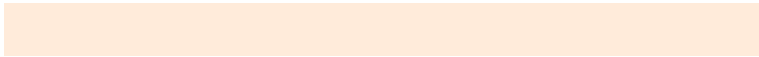
85.7386, 0.3374, 0.3460



85.7386, 0.3302, 0.3514

# Triad

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



85.7386, 0.3374, 0.3460



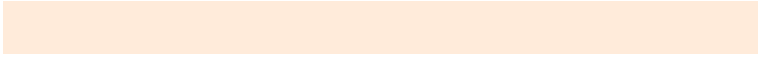
85.7386, 0.2943, 0.3328



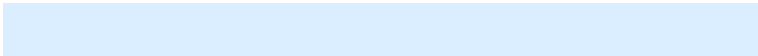
85.7386, 0.3066, 0.3083

# Complementary

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



85.7386, 0.3374, 0.3460



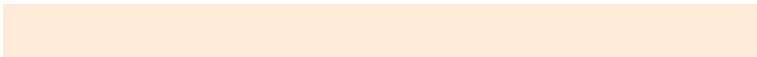
83.2554, 0.2899, 0.3114

# Split Complementary

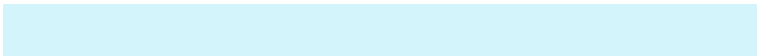
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7386, 0.2952, 0.3071



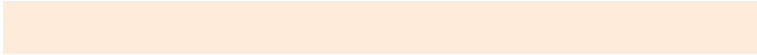
85.7386, 0.3374, 0.3460



85.7386, 0.2882, 0.3209

# Square

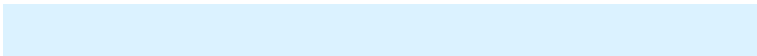
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7386, 0.3374, 0.3460



85.7386, 0.3053, 0.3439



85.7386, 0.2886, 0.3116



85.7386, 0.3199, 0.3148



# Rectangle

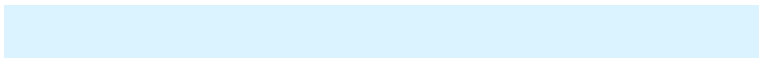
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7386, 0.3374, 0.3460



85.7386, 0.3227, 0.3517



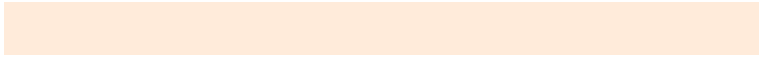
85.7386, 0.2886, 0.3116



85.7386, 0.3025, 0.3073

# Sweetspot

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



85.7372, 0.3374, 0.3460



95.8952, 0.3190, 0.3335



77.5823, 0.3256, 0.3089



20.3635, 0.3202, 0.3344



0.0000, 0.0000, 0.0000

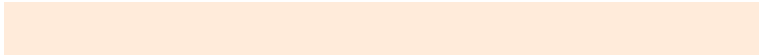


21.4041, 0.3127, 0.3290

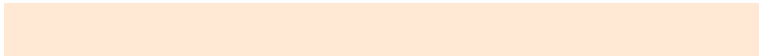


# Same Dimension

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



85.7372, 0.3374, 0.3460



83.4751, 0.3421, 0.3490



96.6651, 0.3348, 0.3634



19.3634, 0.3283, 0.3400



18.0790, 0.5528, 0.3992

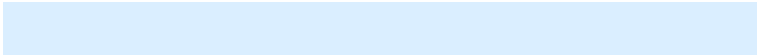


1.9759, 0.5338, 0.4144

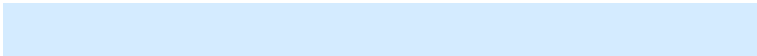


# Inverse Universe

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



83.2554, 0.2899, 0.3114



80.6196, 0.2860, 0.3081



73.2162, 0.2893, 0.2921



19.0034, 0.2979, 0.3178



13.5341, 0.1808, 0.1710

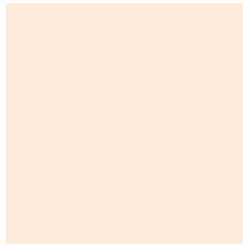


1.5364, 0.1862, 0.1904



# Previews

## White Background



This preview shows how the Yxy color 85.7386, 0.3374, 0.3460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

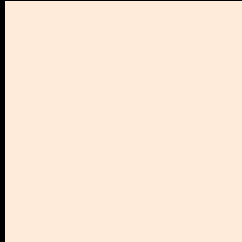
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.7386, 0.3374, 0.3460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

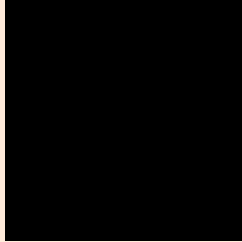
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.7386, 0.3374, 0.3460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7386, 0.3374, 0.3460.

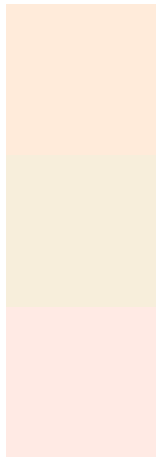


This preview shows how white text looks on a background with the Yxy color 85.7386, 0.3374, 0.3460.

# 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

85.7386, 0.3374, 0.3460

### Protanopia

86.0377, 0.3307, 0.3482

### Deuteranopia

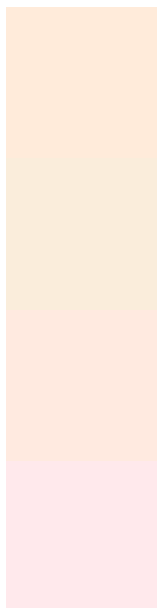
85.7071, 0.3309, 0.3350



## Tritanopia

85.6886, 0.3188, 0.3144

# Trichromacy



## Original Color

85.7386, 0.3374, 0.3460

## Protanomaly

86.0068, 0.3329, 0.3471

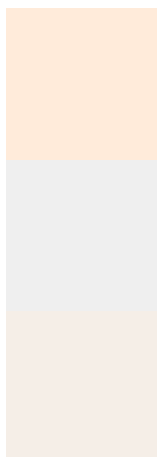
## Deuteranomaly

85.4875, 0.3335, 0.3390

## Tritanomaly

85.5940, 0.3258, 0.3261

# Monochromacy



## Original Color

85.7386, 0.3374, 0.3460

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.3311, 0.3217, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7386, 0.3374, 0.3460 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, 235, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 218)  
}
```

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, 235, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7386, 0.3374, 0.3460 is called "border". The border property can be set on classes, ids or directly on the HTML element.

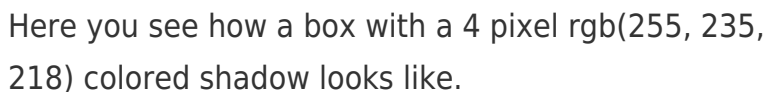
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 218) }
```

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

```
.border{ border-color:rgb(255, 235, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 235, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 218); box-shadow:4px 4px 4px 4px rgb(255, 235, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7386, 0.3374, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 218) }
```

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

```
.background{ background-color: rgb(255,  
235, 218) }
```

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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