

# Converting Colors

$Y_{xy}(86.7314, 0.3611, 0.3742)$

Have a look what the booklet for  
Yxy(86.7314, 0.3611, 0.3742)  
contains.

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# Color

**Yxy(85.0125, 0.3551, 0.3743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECBF
RGB	255, 236, 191
RGB Percent	100%, 93%, 75%
CMY	0.0000, 0.0745, 0.2509
CMYK	0.00, 0.07, 0.25, 0.00
HSL	42°, 100%, 87%
HSV	42°, 25%, 100%
XYZ	80.6517, 85.0125, 61.4597
YIQ	236.5510, 25.7690, -9.9670

# Conversions

## Conversions Part 2

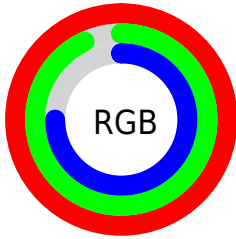
Format	Color
R <sub>Y</sub> B	218, 255, 191
Decimal	16772287
CIE Lab	93.89, -0.29, 24.18
CIE LCh	94, 24.177, 90.696
Yxy	85.0125, 0.3551, 0.3743
Android (android.graphics.Color)	4294962367 (0xFFFFECCBF)
YUV	236.5510, -22.4566, 16.1798
Hunter-Lab	92.2022, -5.2152, 25.0203

# Details

The Yxy color **85.0125, 0.3551, 0.3743** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.4069, 0.2713, 0.2791**, and the grayscale version is **84.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **46.4544, 0.3650, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **79.7117, 0.3743, 0.3929**, and if you desaturate by 10%, it is **90.6867, 0.3371, 0.3558**.

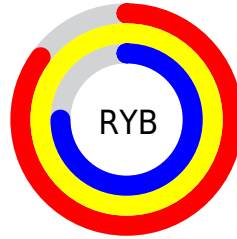
# Distribution



Red (100%)

Green (93%)

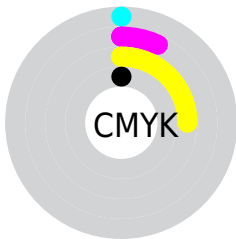
Blue (75%)



Red (85%)

Yellow (100%)

Blue (75%)

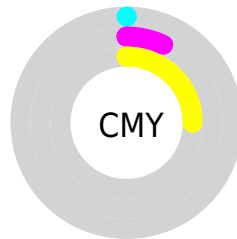


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0125, 0.3551, 0.3743 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 85.0125, 0.3551, 0.3743 by changing the saturation by 10% instead.





 85.0125, 0.3551,  
0.3743

 85.0125, 0.3551,  
0.3743

511.6694, 0.3361,  
0.3540

 63.8517, 0.3593,  
0.3788


 140.3906, 0.3486,  
0.3674

 46.5306, 0.3643,  
0.3842


175.3768, 0.3461,  
0.3647

 32.6647, 0.3706,  
0.3909

215.7402, 0.3439,  
0.3623

 21.8697, 0.3785,  
0.3994

261.8652, 0.3419,  
0.3602

 13.7612, 0.3888,  
0.4104

314.1362, 0.3402,  
0.3584

 7.9548, 0.4026,  
0.4253

372.9377, 0.3387,

 4.0660, 0.4217,

0.3568

0.4459

438.6539, 0.3373,  
0.3553

■ 1.7106, 0.4856,  
0.5144

■ 0.4305, 0.4829,  
0.5171

■ 85.0125, 0.3551,  
0.3743

■ 85.0125, 0.3551,  
0.3743

■ 79.7117, 0.3743,  
0.3929

■ 90.6867, 0.3371,  
0.3558

■ 74.7826, 0.3944,  
0.4108

■ 96.7565, 0.3205,  
0.3378

■ 70.2083, 0.4146,  
0.4270

100.0000, 0.3127,  
0.3290

■ 65.9742, 0.4342,  
0.4405

■ 62.0642, 0.4523,  
0.4500

■ 58.4597, 0.4677,  
0.4548

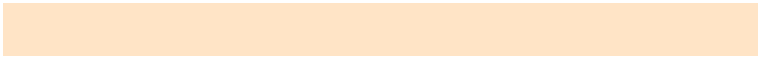
■ 55.1384, 0.4800,  
0.4545

■ 53.5965, 0.4852,  
0.4530

# Harmonies

## Analogous

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



85.0125, 0.3671, 0.3587



85.0125, 0.3551, 0.3743



85.0125, 0.3318, 0.3779

# Triad

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



85.0125, 0.3551, 0.3743



85.0125, 0.2640, 0.3178



85.0125, 0.3196, 0.2951

# Complementary

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



85.0125, 0.3551, 0.3743



64.4069, 0.2713, 0.2791

# 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.



85.0125, 0.2921, 0.2845



85.0125, 0.3551, 0.3743



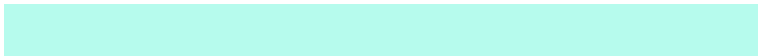
85.0125, 0.2610, 0.2963

# Square

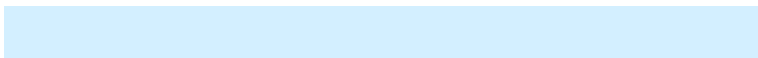
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0125, 0.3551, 0.3743



85.0125, 0.2795, 0.3441



85.0125, 0.2710, 0.2846



85.0125, 0.3462, 0.3137

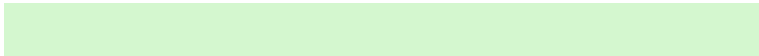


# Rectangle

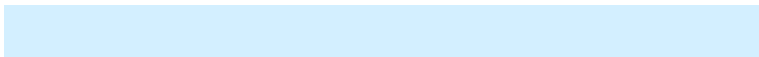
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0125, 0.3551, 0.3743



85.0125, 0.3134, 0.3721



85.0125, 0.2710, 0.2846



85.0125, 0.3101, 0.2905

# Sweetspot

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



85.0089, 0.3551, 0.3743



94.9488, 0.3252, 0.3429



63.1949, 0.3502, 0.3094



20.1258, 0.3277, 0.3456



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.



85.0089, 0.3551, 0.3743



82.3610, 0.3644, 0.3835



94.1960, 0.3422, 0.3938



20.1258, 0.3277, 0.3456



28.2781, 0.4838, 0.4540



2.9439, 0.4747, 0.4613



# Inverse Universe

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



64.4069, 0.2713, 0.2791



58.6239, 0.2624, 0.2677



57.3026, 0.2781, 0.2590



18.2572, 0.2979, 0.3118



6.6811, 0.1608, 0.0987



0.8310, 0.1668, 0.1205



# Previews

## White Background



This preview shows how the Yxy color 85.0125, 0.3551, 0.3743 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 85.0125, 0.3551, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

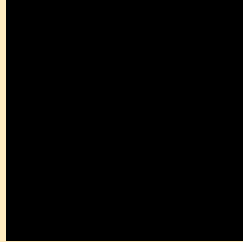
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

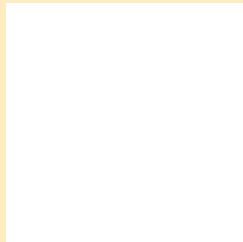
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0125, 0.3551, 0.3743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0125, 0.3551, 0.3743.



This preview shows how white text looks on a background with the Yxy color 85.0125, 0.3551, 0.3743.

# 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

85.0125, 0.3551, 0.3743

### Protanopia

85.0696, 0.3520, 0.3746

### Deuteranopia

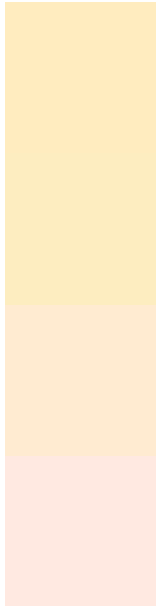
85.2201, 0.3368, 0.3440



## Tritanopia

84.9435, 0.3208, 0.3163

# Trichromacy



## Original Color

85.0125, 0.3551, 0.3743

## Protanomaly

85.2568, 0.3528, 0.3745

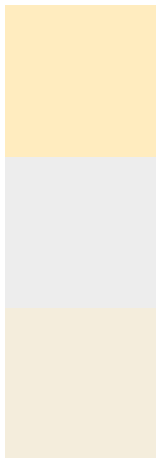
## Deuteranomaly

85.2801, 0.3433, 0.3551

## Tritanomaly

84.9741, 0.3330, 0.3370

# Monochromacy



## Original Color

85.0125, 0.3551, 0.3743

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.9688, 0.3282, 0.3463

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0125, 0.3551, 0.3743 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, 236, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 191)  
}
```

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, 236, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0125, 0.3551, 0.3743 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, 236, 191) }
```

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

```
.border{ border-color:rgb(255, 236, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0125, 0.3551, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 191) }
```

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

```
.background{ background-color: rgb(255,  
236, 191) }
```

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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