

# Converting Colors

$Y_{xy}(85.0810, 0.3466, 0.3602)$

Have a look what the booklet for  
Yxy(85.0810, 0.3466, 0.3602)  
contains.

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# Color

**Yxy(85.0363, 0.3466, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBCC
RGB	255, 235, 204
RGB Percent	100%, 92%, 80%
CMY	0.0003, 0.0783, 0.2000
CMYK	0.00, 0.08, 0.20, 0.00
HSL	37°, 100%, 90%
HSV	37°, 20%, 100%
XYZ	81.8256, 85.0363, 69.2189
YIQ	237.4460, 21.8710, -5.4010

# Conversions

## Conversions Part 2

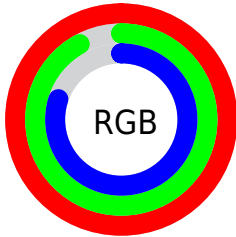
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 255, 204
Decimal	16772044
CIE Lab	93.90, 1.95, 17.51
CIE LCh	94, 17.619, 83.653
Yxy	85.0363, 0.3466, 0.3602
Android (android.graphics.Color)	4294962124 (0xFFFFEBC)
YUV	237.4460, -16.4889, 15.3949
Hunter-Lab	92.2151, -2.9874, 20.0461

# Details

The Yxy color **85.0363, 0.3466, 0.3602** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.2983, 0.2806, 0.2957**, and the grayscale version is **85.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4480, 0.3542, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **78.3719, 0.3664, 0.3766**, and if you desaturate by 10%, it is **92.2276, 0.3287, 0.3442**.

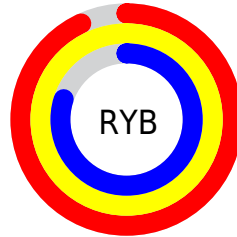
# Distribution



Red (100%)

Green (92%)

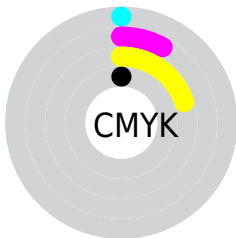
Blue (80%)



Red (93%)

Yellow (100%)

Blue (80%)

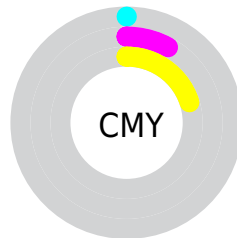


Cyan (0%)

Magenta (8%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0363, 0.3466, 0.3602 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 85.0363, 0.3466, 0.3602 by changing the saturation by 10% instead.



 85.0363, 0.3466,  
0.3602

 85.0363, 0.3466,  
0.3602

511.7482, 0.3313,  
0.3462

 63.8714, 0.3500,  
0.3633

140.4239, 0.3414,  
0.3555

 46.5465, 0.3541,  
0.3670

175.4153, 0.3393,  
0.3536

 32.6773, 0.3593,  
0.3716


215.7844, 0.3376,  
0.3520

 21.8793, 0.3658,  
0.3775

261.9155, 0.3360,  
0.3505

 13.7683, 0.3745,  
0.3853

314.1931, 0.3346,  
0.3493

 7.9597, 0.3865,  
0.3958

373.0014, 0.3334,

 4.0692, 0.4039,

0.3482

0.4108

438.7250, 0.3323,  
0.3472

■ 1.7123, 0.4404,  
0.4429

■ 0.4316, 0.5147,  
0.4853

■ 85.0363, 0.3466,  
0.3602

■ 85.0363, 0.3466,  
0.3602

■ 78.3719, 0.3664,  
0.3766

■ 92.2276, 0.3287,  
0.3442

■ 72.2081, 0.3878,  
0.3928

99.9485, 0.3127,  
0.3290

■ 66.5330, 0.4106,  
0.4081

99.9859, 0.3127,  
0.3290

■ 61.3293, 0.4339,  
0.4213

■ 56.5788, 0.4568,  
0.4312

■ 52.2608, 0.4780,  
0.4367

■ 48.3518, 0.4962,  
0.4370

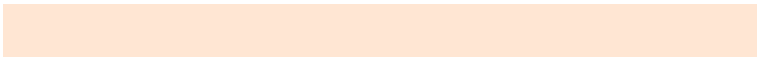
■ 44.8170, 0.5112,  
0.4323

■ 44.8108, 0.5112,  
0.4323

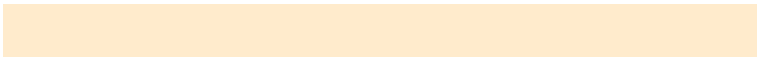
# Harmonies

## Analogous

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



85.0363, 0.3527, 0.3476



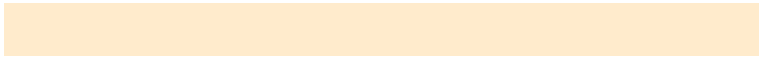
85.0363, 0.3466, 0.3602



85.0363, 0.3313, 0.3647

# Triad

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



85.0363, 0.3466, 0.3602



85.0363, 0.2788, 0.3255



85.0363, 0.3130, 0.3014

# Complementary

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



85.0363, 0.3466, 0.3602



73.2983, 0.2806, 0.2957

# Split Complementary

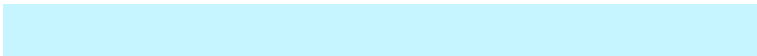
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0363, 0.2935, 0.2954



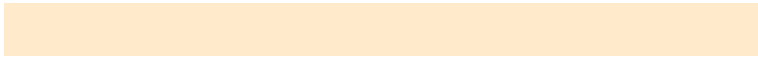
85.0363, 0.3466, 0.3602



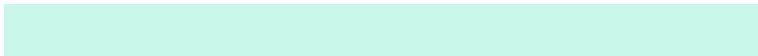
85.0363, 0.2743, 0.3085

# Square

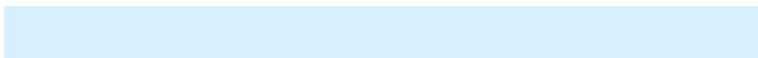
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0363, 0.3466, 0.3602



85.0363, 0.2923, 0.3443



85.0363, 0.2795, 0.2978



85.0363, 0.3330, 0.3142

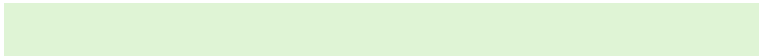


# Rectangle

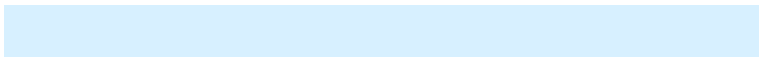
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0363, 0.3466, 0.3602



85.0363, 0.3182, 0.3620



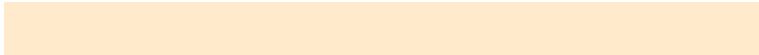
85.0363, 0.2795, 0.2978



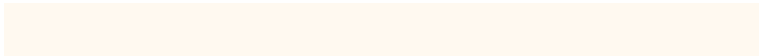
85.0363, 0.3062, 0.2986

# Sweetspot

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



85.0401, 0.3466, 0.3602



95.3001, 0.3221, 0.3380



69.8274, 0.3371, 0.3085



20.2912, 0.3232, 0.3390



0.0000, 0.0000, 0.0000

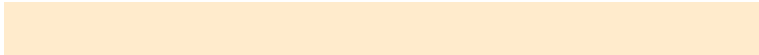


21.4041, 0.3127, 0.3290



# Same Dimension

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



85.0401, 0.3466, 0.3602



82.3532, 0.3543, 0.3668



96.1246, 0.3396, 0.3795



19.8298, 0.3279, 0.3435



23.7288, 0.5093, 0.4338

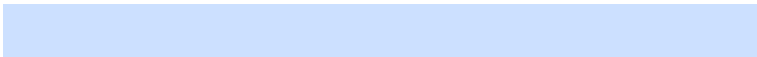


2.5230, 0.4962, 0.4442



# Inverse Universe

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



73.2983, 0.2806, 0.2957



68.6508, 0.2738, 0.2881



63.9624, 0.2826, 0.2741



18.5412, 0.2979, 0.3141



8.7630, 0.1675, 0.1231



1.0582, 0.1738, 0.1455



# Previews

## White Background



This preview shows how the Yxy color 85.0363, 0.3466, 0.3602 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 85.0363, 0.3466, 0.3602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

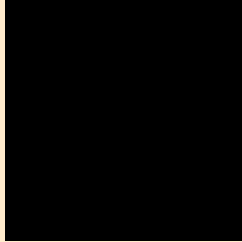
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.0363, 0.3466, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0363, 0.3466, 0.3602.

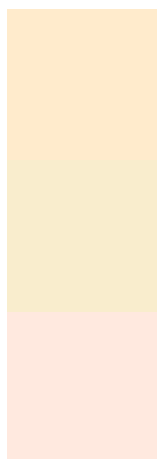


This preview shows how white text looks on a background with the Yxy color 85.0363, 0.3466, 0.3602.

# 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

85.0363, 0.3466, 0.3602

### Protanopia

85.1159, 0.3414, 0.3615

### Deuteranopia

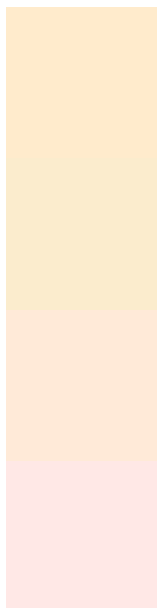
84.8655, 0.3343, 0.3390



## Tritanopia

85.0044, 0.3202, 0.3154

# Trichromacy



## Original Color

85.0363, 0.3466, 0.3602

## Protanomaly

84.9079, 0.3430, 0.3604

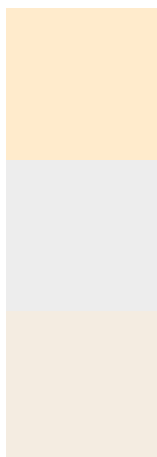
## Deuteranomaly

85.0635, 0.3388, 0.3470

## Tritanomaly

84.6864, 0.3298, 0.3310

# Monochromacy



## Original Color

85.0363, 0.3466, 0.3602

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.6602, 0.3251, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0363, 0.3466, 0.3602 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0363, 0.3466, 0.3602 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, 204) }
```

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

```
.border{ border-color:rgb(255, 235, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0363, 0.3466, 0.3602 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
235, 204) }
```

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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