

# Converting Colors

Yxy(86.4118, 0.3380, 0.3552)

Have a look what the booklet for  
Yxy(86.4118, 0.3380, 0.3552)  
contains.

<b>Yxy(86.4118, 0.3380, 0.3552)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(86.4118, 0.3380, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBEED4
RGB	251, 238, 212
RGB Percent	98%, 93%, 83%
CMY	0.0159, 0.0666, 0.1686
CMYK	0.00, 0.05, 0.16, 0.02
HSL	40°, 83%, 91%
HSV	40°, 16%, 98%
XYZ	82.2274, 86.4118, 74.6372
YIQ	238.9230, 16.0940, -5.3300

# Conversions

## Conversions Part 2

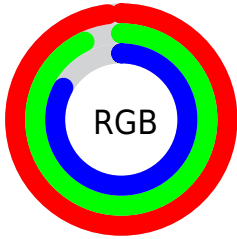
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 251, 212
Decimal	16510676
CIE Lab	94.49, 0.18, 14.15
CIE LCh	94, 14.154, 89.252
Yxy	86.4118, 0.3380, 0.3552
Android (android.graphics.Color)	4294700756 (0xFFFFBEED4)
YUV	238.9230, -13.2730, 10.5915
Hunter-Lab	92.9579, -4.7814, 17.4658

# Details

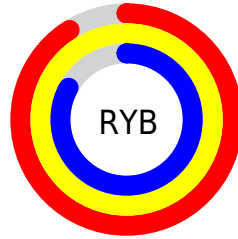
The Yxy color **86.4118, 0.3380, 0.3552** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.7721, 0.2880, 0.3014**, and the grayscale version is **86.3470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3596, 0.3438, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **80.5077, 0.3564, 0.3729**, and if you desaturate by 10%, it is **92.7447, 0.3212, 0.3381**.

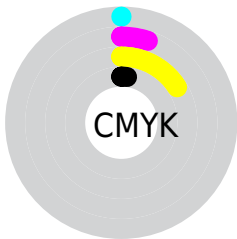
# Distribution



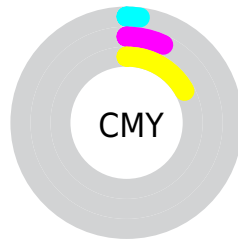
- Red (98%)
- Green (93%)
- Blue (83%)



- Red (91%)
- Yellow (98%)
- Blue (83%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4118, 0.3380, 0.3552 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 86.4118, 0.3380, 0.3552 by changing the saturation by 10% instead.




 86.4118, 0.3380,  
0.3552

 86.4118, 0.3380,  
0.3552


516.2881, 0.3267,  
0.3435

 65.0086, 0.3405,  
0.3578


142.3440, 0.3341,  
0.3512

 47.4680, 0.3436,  
0.3610


177.6418, 0.3326,  
0.3496

 33.4058, 0.3474,  
0.3649


218.3398, 0.3313,  
0.3483

 22.4375, 0.3522,  
0.3699

264.8225, 0.3301,  
0.3471

 14.1787, 0.3587,  
0.3766

317.4743, 0.3291,  
0.3460

 8.2451, 0.3676,  
0.3858

376.6796, 0.3282,

 4.2522, 0.3806,

0.3451

0.3992

442.8227, 0.3274,  
0.3442

■ 1.8156, 0.4025,  
0.4217

■ 0.4969, 0.4897,  
0.5103

■ 86.4118, 0.3380,  
0.3552

■ 86.4118, 0.3380,  
0.3552

■ 80.5077, 0.3564,  
0.3729

■ 92.7447, 0.3212,  
0.3381

■ 75.0089, 0.3762,  
0.3907

■ 99.0340, 0.3102,  
0.3287

■ 69.9064, 0.3970,  
0.4078

■ 99.2389, 0.3102,  
0.3290

■ 65.1863, 0.4183,  
0.4232

■ 60.8338, 0.4392,  
0.4359

■ 56.8321, 0.4586,  
0.4447

■ 53.1625, 0.4755,  
0.4486

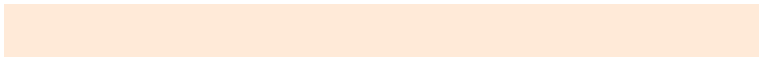
■ 49.8022, 0.4892,  
0.4473

■ 48.3822, 0.4945,  
0.4455

# Harmonies

## Analogous

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



86.4118, 0.3444, 0.3463



86.4118, 0.3380, 0.3552



86.4118, 0.3249, 0.3571

# Triad

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



86.4118, 0.3380, 0.3552



86.4118, 0.2843, 0.3236



86.4118, 0.3161, 0.3084

# Complementary

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



86.4118, 0.3380, 0.3552



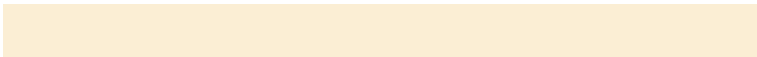
74.7721, 0.2880, 0.3014

# Split Complementary

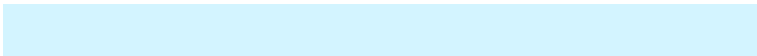
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4118, 0.3001, 0.3024



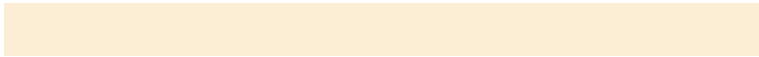
86.4118, 0.3380, 0.3552



86.4118, 0.2820, 0.3107

# Square

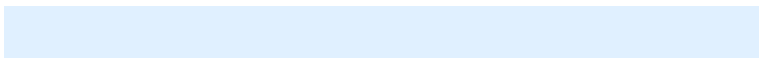
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4118, 0.3380, 0.3552



86.4118, 0.2939, 0.3385



86.4118, 0.2877, 0.3031

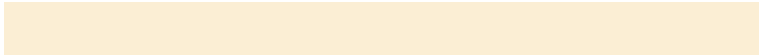


86.4118, 0.3316, 0.3195

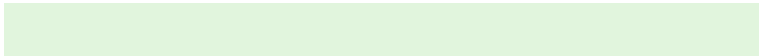


# Rectangle

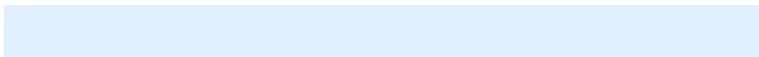
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4118, 0.3380, 0.3552



86.4118, 0.3142, 0.3539



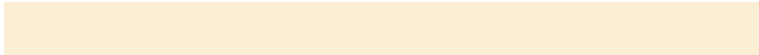
86.4118, 0.2877, 0.3031



86.4118, 0.3106, 0.3057

# Sweetspot

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



86.4156, 0.3380, 0.3552



96.5359, 0.3204, 0.3372



73.0258, 0.3326, 0.3159



20.5604, 0.3216, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

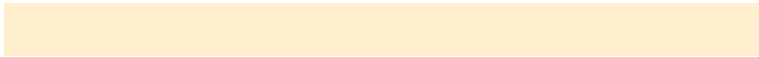


# Same Dimension

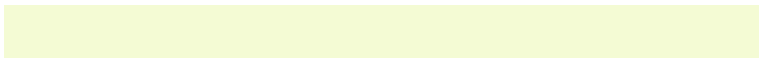
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4156, 0.3380, 0.3552



87.4304, 0.3442, 0.3614



93.0280, 0.3318, 0.3682



19.1633, 0.3277, 0.3448



25.7228, 0.4930, 0.4468



2.5768, 0.4819, 0.4555



# Inverse Universe

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



74.7721, 0.2880, 0.3014



72.9974, 0.2821, 0.2944



69.0352, 0.2918, 0.2878



17.5839, 0.2979, 0.3127



7.1741, 0.1631, 0.1073

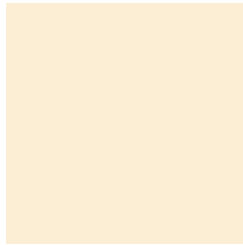


0.8504, 0.1697, 0.1308



# Previews

## White Background



This preview shows how the Yxy color 86.4118, 0.3380, 0.3552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

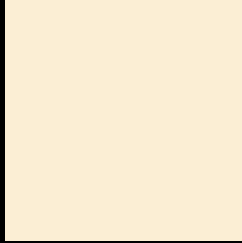
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4118, 0.3380, 0.3552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

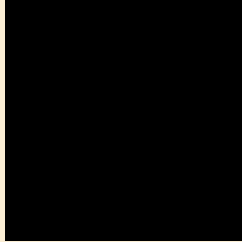
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

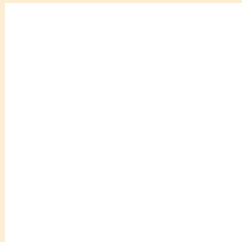
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4118, 0.3380, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4118, 0.3380, 0.3552.

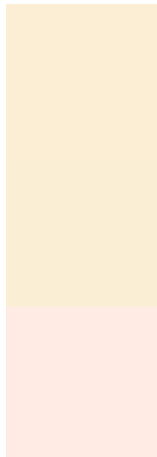


This preview shows how white text looks on a background with the Yxy color 86.4118, 0.3380, 0.3552.

# 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

86.4118, 0.3380, 0.3552

### Protanopia

86.2265, 0.3373, 0.3552

### Deuteranopia

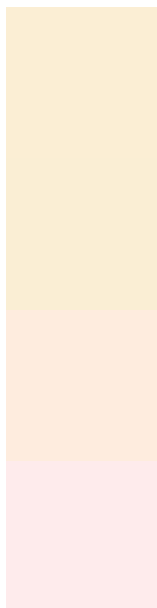
86.2781, 0.3308, 0.3360



## Tritanopia

86.4400, 0.3168, 0.3125

# Trichromacy



## Original Color

86.4118, 0.3380, 0.3552

## Protanomaly

86.2265, 0.3373, 0.3552

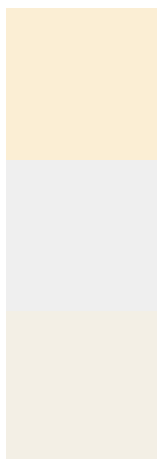
## Deuteranomaly

86.3357, 0.3339, 0.3430

## Tritanomaly

86.5436, 0.3249, 0.3281

# Monochromacy



## Original Color

86.4118, 0.3380, 0.3552

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.4448, 0.3216, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4118, 0.3380, 0.3552 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(251, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(251, 238, 212)  
}
```

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(251, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 238, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4118, 0.3380, 0.3552 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(251, 238, 212) }
```

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

```
.border{ border-color:rgb(251, 238, 212) }
```

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

Here you see how a box with a 4 pixel rgb(251, 238, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 238, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 238, 212);  
box-shadow:4px 4px 4px 4px rgb(251, 238,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4118, 0.3380, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 238, 212) }
```

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

```
.background{ background-color: rgb(251,  
238, 212) }
```

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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