

# Converting Colors

$Y_{xy}(100.0000, 0.3940, 0.3660)$

Have a look what the booklet for  
Yxy(100.0000, 0.3940, 0.3660)  
contains.

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# Color

**Yxy(86.9785, 0.3511, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFC4
RGB	255, 239, 196
RGB Percent	100%, 94%, 77%
CMY	0.0000, 0.0627, 0.2313
CMYK	0.00, 0.06, 0.23, 0.00
HSL	44°, 100%, 88%
HSV	44°, 23%, 100%
XYZ	82.0697, 86.9785, 64.7021
YIQ	238.8820, 23.3390, -9.9810

# Conversions

## Conversions Part 2

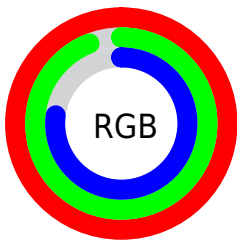
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 255, 196
Decimal	16773060
CIE Lab	94.73, -1.16, 22.77
CIE LCh	95, 22.797, 92.914
Yxy	86.9785, 0.3511, 0.3721
Android (android.graphics.Color)	4294963140 (0xFFFFEFC4)
YUV	238.8820, -21.1408, 14.1355
Hunter-Lab	93.2623, -6.1310, 24.1503

# Details

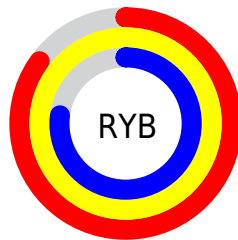
The Yxy color **86.9785, 0.3511, 0.3721** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.0502, 0.2746, 0.2818**, and the grayscale version is **86.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **47.8257, 0.3598, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **81.9477, 0.3697, 0.3913**, and if you desaturate by 10%, it is **92.3692, 0.3336, 0.3530**.

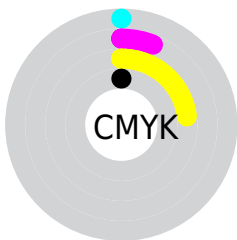
# Distribution



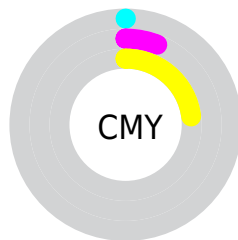
- Red (100%)
- Green (94%)
- Blue (77%)



- Red (85%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9785, 0.3511, 0.3721 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 86.9785, 0.3511, 0.3721 by changing the saturation by 10% instead.




 86.9785, 0.3511,  
0.3721

 86.9785, 0.3511,  
0.3721

518.1522, 0.3340,  
0.3528

 65.4774, 0.3548,  
0.3763


143.1342, 0.3453,  
0.3655

 47.8483, 0.3594,  
0.3815

178.5575, 0.3430,  
0.3629

 33.7068, 0.3650,  
0.3879


219.3905, 0.3410,  
0.3607

 22.6684, 0.3721,  
0.3960

266.0174, 0.3393,  
0.3587

 14.3489, 0.3813,  
0.4066

318.8226, 0.3377,  
0.3570

 8.3637, 0.3937,  
0.4209

378.1905, 0.3363,

 4.3285, 0.4109,

0.3554

0.4410

444.5056, 0.3351,  
0.3541

■ 1.8590, 0.4573,  
0.4939

■ 0.5235, 0.4727,  
0.5273

■ 86.9785, 0.3511,  
0.3721

■ 86.9785, 0.3511,  
0.3721

■ 81.9477, 0.3697,  
0.3913

■ 92.3692, 0.3336,  
0.3530

■ 77.2535, 0.3891,  
0.4100

■ 98.1191, 0.3175,  
0.3346

■ 72.8871, 0.4087,  
0.4271

■ 99.9982, 0.3127,  
0.3290

■ 68.8349, 0.4276,  
0.4417

■ 65.0816, 0.4450,  
0.4525

■ 61.6098, 0.4599,  
0.4588

■ 58.3989, 0.4717,  
0.4600

■ 56.3226, 0.4783,  
0.4584

# Harmonies

## Analogous

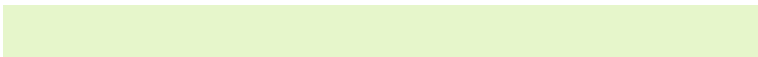
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9785, 0.3633, 0.3583



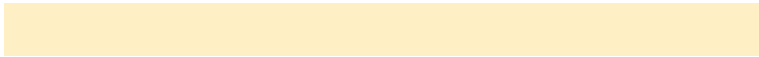
86.9785, 0.3511, 0.3721



86.9785, 0.3288, 0.3743

# Triad

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



86.9785, 0.3511, 0.3721



86.9785, 0.2664, 0.3169



86.9785, 0.3212, 0.2982

# Complementary

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



86.9785, 0.3511, 0.3721



66.0502, 0.2746, 0.2818

# Split Complementary

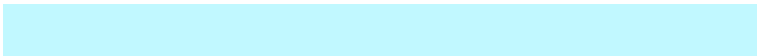
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9785, 0.2952, 0.2876



86.9785, 0.3511, 0.3721



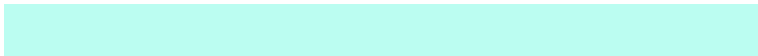
86.9785, 0.2645, 0.2973

# Square

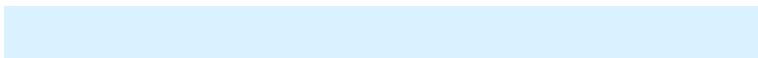
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9785, 0.3511, 0.3721



86.9785, 0.2802, 0.3413



86.9785, 0.2748, 0.2870



86.9785, 0.3457, 0.3162

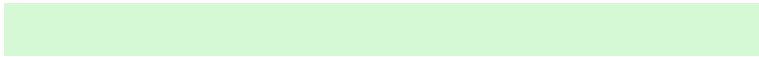


# Rectangle

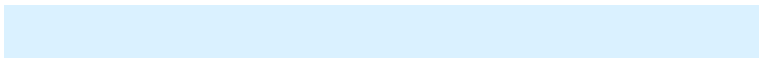
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9785, 0.3511, 0.3721



86.9785, 0.3114, 0.3682



86.9785, 0.2748, 0.2870



86.9785, 0.3123, 0.2937

# Sweetspot

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



86.9824, 0.3511, 0.3721



95.8549, 0.3235, 0.3416



65.5405, 0.3473, 0.3120



20.4422, 0.3245, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

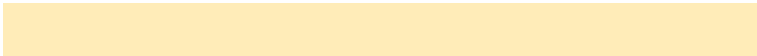


# Same Dimension

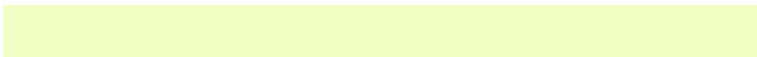
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9824, 0.3511, 0.3721



84.4915, 0.3601, 0.3815



94.4159, 0.3392, 0.3886



20.2089, 0.3276, 0.3462



29.6931, 0.4771, 0.4594



3.0725, 0.4690, 0.4658



# Inverse Universe

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



66.0502, 0.2746, 0.2818



60.0509, 0.2658, 0.2703



60.2376, 0.2819, 0.2652



18.1787, 0.2979, 0.3112



6.2143, 0.1591, 0.0928



0.7770, 0.1651, 0.1142



# Previews

## White Background



This preview shows how the Yxy color 86.9785, 0.3511, 0.3721 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 86.9785, 0.3511, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

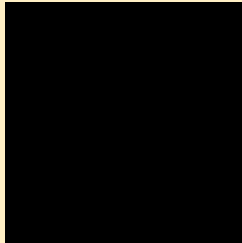
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.9785, 0.3511, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9785, 0.3511, 0.3721.



This preview shows how white text looks on a background with the Yxy color 86.9785, 0.3511, 0.3721.

# 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

86.9785, 0.3511, 0.3721

### Protanopia

86.7894, 0.3504, 0.3722

### Deuteranopia

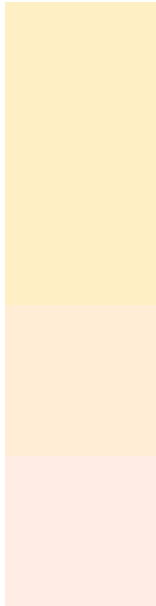
86.6871, 0.3326, 0.3399



## Tritanopia

86.8210, 0.3187, 0.3164

# Trichromacy



## Original Color

86.9785, 0.3511, 0.3721

## Protanomaly

86.7894, 0.3504, 0.3722

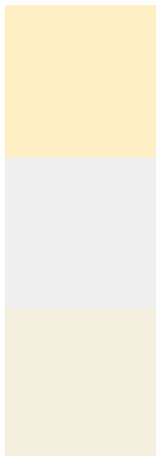
## Deuteranomaly

86.6834, 0.3397, 0.3520

## Tritanomaly

86.8523, 0.3307, 0.3369

# Monochromacy



## Original Color

86.9785, 0.3511, 0.3721

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.4732, 0.3267, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9785, 0.3511, 0.3721 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, 239, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 196)  
}
```

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, 239, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9785, 0.3511, 0.3721 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, 239, 196) }
```

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

```
.border{ border-color:rgb(255, 239, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9785, 0.3511, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 196) }
```

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

```
.background{ background-color: rgb(255,  
239, 196) }
```

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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