

# Converting Colors

$Y_{xy}(100.0000, 0.3904, 0.3606)$

Have a look what the booklet for  
Yxy(100.0000, 0.3904, 0.3606)  
contains.

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# Color

**Yxy(86.6261, 0.3481, 0.3661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEC9
RGB	255, 238, 201
RGB Percent	100%, 93%, 79%
CMY	0.0000, 0.0667, 0.2118
CMYK	0.00, 0.07, 0.21, 0.00
HSL	41°, 100%, 89%
HSV	41°, 21%, 100%
XYZ	82.3670, 86.6261, 67.6256
YIQ	238.8650, 22.0090, -7.9030

# Conversions

## Conversions Part 2

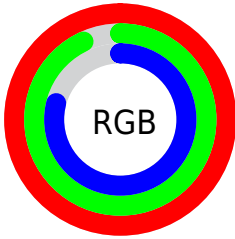
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 255, 201
Decimal	16772809
CIE <sub>Lab</sub>	94.58, 0.06, 20.01
CIE <sub>LCh</sub>	95, 20.014, 89.826
Yxy	86.6261, 0.3481, 0.3661
Android (android.graphics.Color)	4294962889 (0xFFFFEEC9)
YUV	238.8650, -18.6674, 14.1504
Hunter-Lab	93.0731, -4.9108, 22.0719

# Details

The Yxy color **86.6261, 0.3481, 0.3661** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.7719, 0.2783, 0.2889**, and the grayscale version is **86.3358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5682, 0.3559, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **80.9488, 0.3671, 0.3843**, and if you desaturate by 10%, it is **92.7024, 0.3305, 0.3482**.

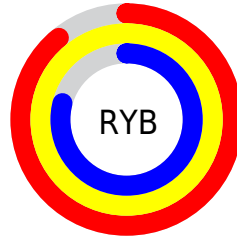
# Distribution



Red (100%)

Green (93%)

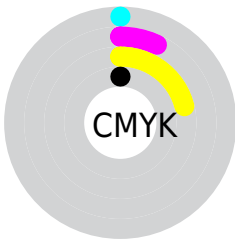
Blue (79%)



Red (89%)

Yellow (100%)

Blue (79%)

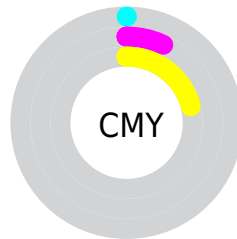


Cyan (0%)

Magenta (7%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6261, 0.3481, 0.3661 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 86.6261, 0.3481, 0.3661 by changing the saturation by 10% instead.




 86.6261, 0.3481,  
0.3661

 86.6261, 0.3481,  
0.3661


516.9934, 0.3323,  
0.3495

 65.1858, 0.3516,  
0.3697


142.6429, 0.3427,  
0.3605

 47.6118, 0.3558,  
0.3742


177.9882, 0.3406,  
0.3582

 33.5195, 0.3611,  
0.3797


218.7373, 0.3387,  
0.3563

 22.5248, 0.3677,  
0.3867

265.2745, 0.3371,  
0.3546

 14.2430, 0.3765,  
0.3958

317.9844, 0.3357,  
0.3531

 8.2899, 0.3884,  
0.4083

377.2512, 0.3344,

 4.2810, 0.4053,

0.3518

0.4260

443.4595, 0.3333,  
0.3506

■ 1.8319, 0.4433,  
0.4657

■ 0.5070, 0.4881,  
0.5119

■ 86.6261, 0.3481,  
0.3661

■ 86.6261, 0.3481,  
0.3661

■ 80.9488, 0.3671,  
0.3843

■ 92.7024, 0.3305,  
0.3482

■ 75.6710, 0.3872,  
0.4022

■ 99.2025, 0.3145,  
0.3310

■ 70.7750, 0.4080,  
0.4189

■ 100.0000, 0.3127,  
0.3290

■ 66.2463, 0.4286,  
0.4332

■ 62.0689, 0.4481,  
0.4441

■ 58.2248, 0.4654,  
0.4505

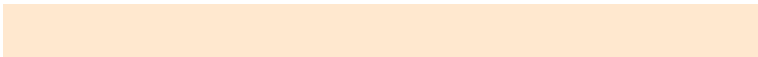
■ 54.6930, 0.4798,  
0.4518

■ 51.8110, 0.4900,  
0.4492

# Harmonies

## Analogous

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



86.6261, 0.3575, 0.3533



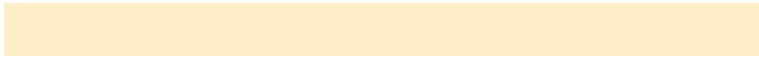
86.6261, 0.3481, 0.3661



86.6261, 0.3292, 0.3690

# Triad

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



86.6261, 0.3481, 0.3661



86.6261, 0.2726, 0.3206



86.6261, 0.3178, 0.3005

# Complementary

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



86.6261, 0.3481, 0.3661



69.7719, 0.2783, 0.2889

# Split Complementary

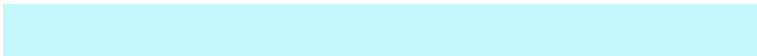
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6261, 0.2952, 0.2919



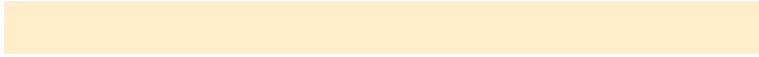
86.6261, 0.3481, 0.3661



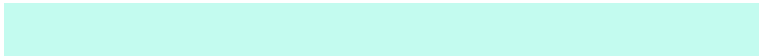
86.6261, 0.2698, 0.3026

# Square

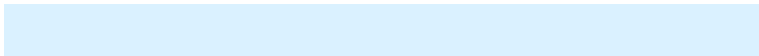
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6261, 0.3481, 0.3661



86.6261, 0.2859, 0.3421



86.6261, 0.2779, 0.2925



86.6261, 0.3397, 0.3159

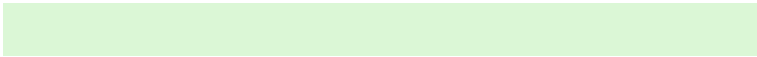


# Rectangle

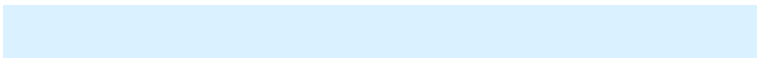
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6261, 0.3481, 0.3661



86.6261, 0.3141, 0.3644



86.6261, 0.2779, 0.2925



86.6261, 0.3100, 0.2967

# Sweetspot

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



86.6218, 0.3481, 0.3661



96.0186, 0.3220, 0.3391



68.0917, 0.3423, 0.3117



20.4611, 0.3231, 0.3403



0.0000, 0.0000, 0.0000

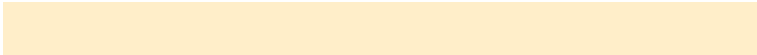


21.4041, 0.3127, 0.3290



# Same Dimension

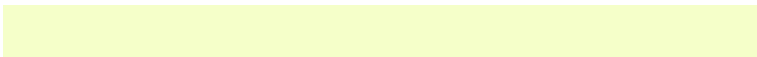
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6218, 0.3481, 0.3661



84.4092, 0.3552, 0.3731



95.1661, 0.3382, 0.3832



20.0694, 0.3277, 0.3452



27.3521, 0.4885, 0.4503



2.8592, 0.4786, 0.4582



# Inverse Universe

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



69.7719, 0.2783, 0.2889



65.0765, 0.2716, 0.2806



62.8171, 0.2837, 0.2709



18.3108, 0.2979, 0.3122



7.0264, 0.1619, 0.1029



0.8701, 0.1681, 0.1250



# Previews

## White Background



This preview shows how the Yxy color 86.6261, 0.3481, 0.3661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

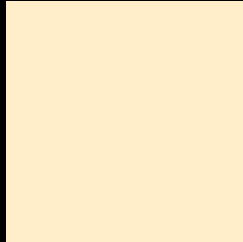
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6261, 0.3481, 0.3661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

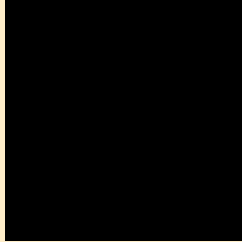
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.6261, 0.3481, 0.3661**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6261, 0.3481, 0.3661.



This preview shows how white text looks on a background with the Yxy color 86.6261, 0.3481, 0.3661.

# 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

86.6261, 0.3481, 0.3661

### Protanopia

86.6455, 0.3457, 0.3673

### Deuteranopia

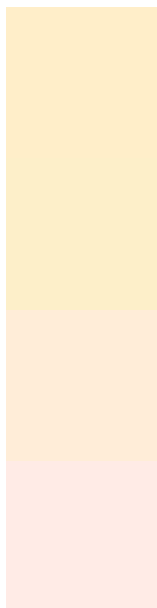
86.6871, 0.3326, 0.3399



## Tritanopia

86.7595, 0.3193, 0.3173

# Trichromacy



## Original Color

86.6261, 0.3481, 0.3661

## Protanomaly

86.8327, 0.3464, 0.3672

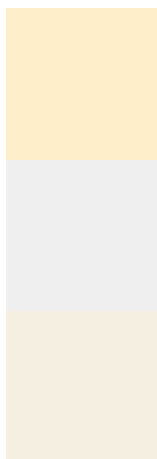
## Deuteranomaly

86.7862, 0.3384, 0.3499

## Tritanomaly

86.3898, 0.3295, 0.3340

# Monochromacy



## Original Color

86.6261, 0.3481, 0.3661

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.5817, 0.3254, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6261, 0.3481, 0.3661 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, 238, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 201)  
}
```

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, 238, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6261, 0.3481, 0.3661 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, 238, 201) }
```

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

```
.border{ border-color:rgb(255, 238, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6261, 0.3481, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 201) }
```

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

```
.background{ background-color: rgb(255,  
238, 201) }
```

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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