

# Converting Colors

$Yxy(86.7435, 0.3461, 0.3630)$

Have a look what the booklet for  
Yxy(86.7435, 0.3461, 0.3630)  
contains.

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# Color

**Yxy(86.7687, 0.3461, 0.3631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEECC
RGB	255, 238, 204
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0666, 0.2001
CMYK	0.00, 0.07, 0.20, 0.00
HSL	40°, 100%, 90%
HSV	40°, 20%, 100%
XYZ	82.7063, 86.7687, 69.4914
YIQ	239.2070, 21.0460, -6.9700

# Conversions

## Conversions Part 2

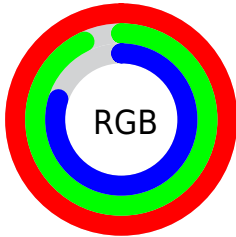
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 255, 204
Decimal	16772812
CIE Lab	94.64, 0.45, 18.56
CIE LCh	95, 18.569, 88.602
Yxy	86.7687, 0.3461, 0.3631
Android (android.graphics.Color)	4294962892 (0xFFFFEECC)
YUV	239.2070, -17.3571, 13.8505
Hunter-Lab	93.1497, -4.5245, 20.9734

# Details

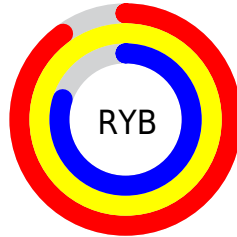
The Yxy color **86.7687, 0.3461, 0.3631** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.7309, 0.2804, 0.2924**, and the grayscale version is **86.6110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6637, 0.3533, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **80.8238, 0.3652, 0.3809**, and if you desaturate by 10%, it is **93.1544, 0.3286, 0.3457**.

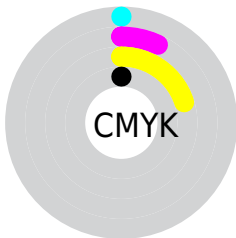
# Distribution



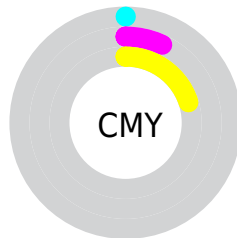
- Red (100%)
- Green (93%)
- Blue (80%)



- Red (90%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (7%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7687, 0.3461, 0.3631 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 86.7687, 0.3461, 0.3631 by changing the saturation by 10% instead.




 86.7687, 0.3461,  
0.3631

 86.7687, 0.3461,  
0.3631


517.4625, 0.3311,  
0.3479

 65.3038, 0.3494,  
0.3665


142.8417, 0.3410,  
0.3579

 47.7075, 0.3534,  
0.3705


178.2186, 0.3390,  
0.3559

 33.5953, 0.3584,  
0.3756


219.0016, 0.3373,  
0.3541

 22.5829, 0.3647,  
0.3820

265.5752, 0.3357,  
0.3525

 14.2858, 0.3730,  
0.3904

318.3237, 0.3344,  
0.3512

 8.3197, 0.3844,  
0.4019

377.6314, 0.3332,

 4.3002, 0.4007,

0.3499

0.4184

443.8829, 0.3321,  
0.3488

■ 1.8429, 0.4338,  
0.4517

■ 0.5137, 0.4929,  
0.5071

■ 86.7687, 0.3461,  
0.3631

■ 86.7687, 0.3461,  
0.3631

■ 80.8238, 0.3652,  
0.3809

■ 93.1544, 0.3286,  
0.3457

■ 75.2952, 0.3855,  
0.3985

99.9813, 0.3127,  
0.3290

■ 70.1730, 0.4067,  
0.4149

99.9976, 0.3127,  
0.3290

■ 65.4422, 0.4280,  
0.4293

■ 61.0866, 0.4484,  
0.4403

■ 57.0879, 0.4669,  
0.4470

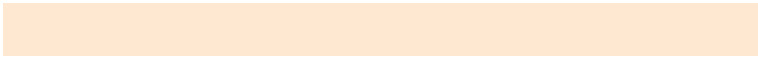
■ 53.4249, 0.4824,  
0.4485

■ 50.0686, 0.4948,  
0.4453

# Harmonies

## Analogous

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



86.7687, 0.3544, 0.3510



86.7687, 0.3461, 0.3631



86.7687, 0.3289, 0.3661

# Triad

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



86.7687, 0.3461, 0.3631



86.7687, 0.2758, 0.3221



86.7687, 0.3166, 0.3020

# Complementary

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



86.7687, 0.3461, 0.3631



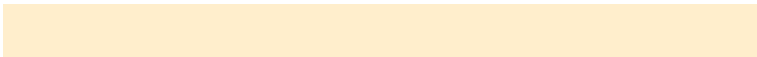
71.7309, 0.2804, 0.2924

# Split Complementary

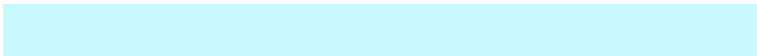
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7687, 0.2957, 0.2944



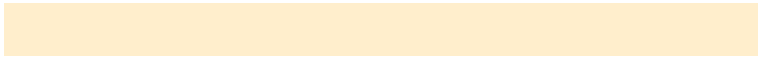
86.7687, 0.3461, 0.3631



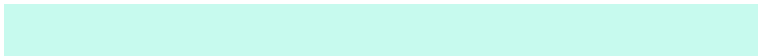
86.7687, 0.2727, 0.3051

# Square

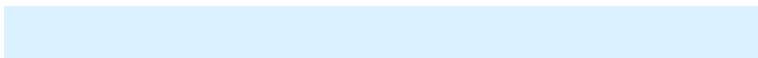
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7687, 0.3461, 0.3631



86.7687, 0.2885, 0.3419



86.7687, 0.2799, 0.2953

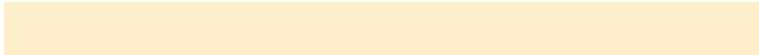


86.7687, 0.3370, 0.3162

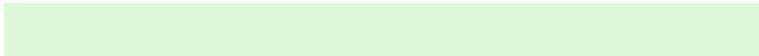


# Rectangle

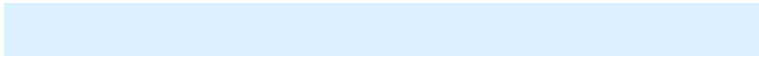
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7687, 0.3461, 0.3631



86.7687, 0.3149, 0.3621



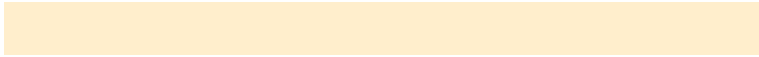
86.7687, 0.2799, 0.2953



86.7687, 0.3094, 0.2986

# Sweetspot

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



86.7726, 0.3461, 0.3631



95.8490, 0.3220, 0.3389



69.6448, 0.3397, 0.3118



20.4210, 0.3231, 0.3400



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

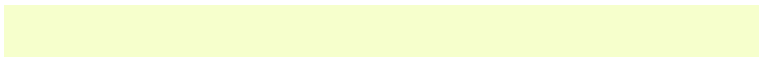
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7726, 0.3461, 0.3631



84.3576, 0.3535, 0.3702



95.5501, 0.3373, 0.3800



20.0127, 0.3277, 0.3448



26.4506, 0.4933, 0.4465



2.7763, 0.4827, 0.4550



# Inverse Universe

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



71.7309, 0.2804, 0.2924



66.8363, 0.2734, 0.2841



64.4541, 0.2849, 0.2744



18.3649, 0.2979, 0.3127



7.3968, 0.1632, 0.1073



0.9113, 0.1694, 0.1297



# Previews

## White Background



This preview shows how the Yxy color 86.7687, 0.3461, 0.3631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

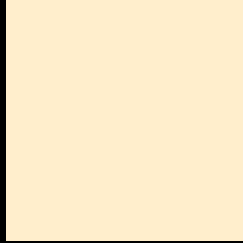
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.7687, 0.3461, 0.3631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

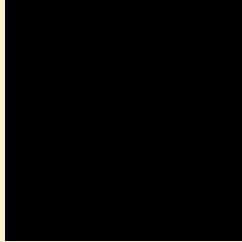
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.7687, 0.3461, 0.3631**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7687, 0.3461, 0.3631.



This preview shows how white text looks on a background with the Yxy color 86.7687, 0.3461, 0.3631.

# 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

86.7687, 0.3461, 0.3631

### Protanopia

86.7881, 0.3438, 0.3643

### Deuteranopia

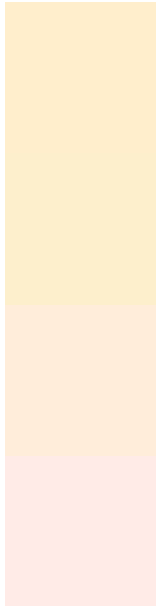
86.7419, 0.3320, 0.3389



## Tritanopia

86.8210, 0.3187, 0.3164

# Trichromacy



## Original Color

86.7687, 0.3461, 0.3631

## Protanomaly

86.9753, 0.3445, 0.3642

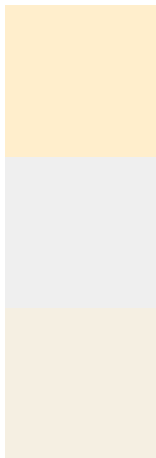
## Deuteranomaly

86.8903, 0.3371, 0.3479

## Tritanomaly

86.4462, 0.3289, 0.3330

# Monochromacy



## Original Color

86.7687, 0.3461, 0.3631

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.6365, 0.3248, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7687, 0.3461, 0.3631 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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, 238, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7687, 0.3461, 0.3631 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, 204) }
```

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

```
.border{ border-color:rgb(255, 238, 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, 238, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7687, 0.3461, 0.3631 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, 204) }
```

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

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