

# Converting Colors

$Y_{xy}(86.2723, 0.3634, 0.3914)$

Have a look what the booklet for  
Yxy(86.2723, 0.3634, 0.3914)  
contains.

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# Color

**Yxy(86.1673, 0.3635, 0.3913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFB1
RGB	255, 239, 177
RGB Percent	100%, 94%, 69%
CMY	0.0000, 0.0627, 0.3060
CMYK	0.00, 0.06, 0.31, 0.00
HSL	48°, 100%, 85%
HSV	48°, 31%, 100%
XYZ	80.0455, 86.1673, 53.9949
YIQ	236.7160, 29.4380, -15.8900

# Conversions

## Conversions Part 2

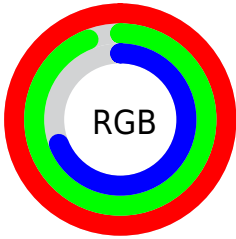
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 255, 177
Decimal	16773041
CIE Lab	94.38, -3.62, 32.01
CIE LCh	94, 32.216, 96.447
Yxy	86.1673, 0.3635, 0.3913
Android (android.graphics.Color)	4294963121 (0xFFFFE9B1)
YUV	236.7160, -29.4400, 16.0351
Hunter-Lab	92.8263, -8.5229, 30.4908

# Details

The Yxy color **86.1673, 0.3635, 0.3913** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.6934, 0.2603, 0.2578**, and the grayscale version is **84.6700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **47.1925, 0.3737, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **82.2266, 0.3815, 0.4116**, and if you desaturate by 10%, it is **90.3871, 0.3459, 0.3705**.

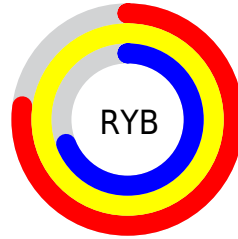
# Distribution



Red (100%)

Green (94%)

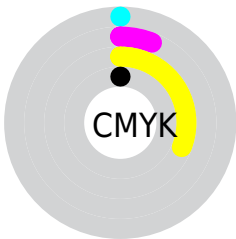
Blue (69%)



Red (77%)

Yellow (100%)

Blue (69%)

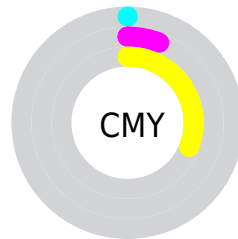


Cyan (0%)

Magenta (6%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1673, 0.3635, 0.3913 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 86.1673, 0.3635, 0.3913 by changing the saturation by 10% instead.





 86.1673, 0.3635,  
0.3913

 86.1673, 0.3635,  
0.3913


515.4827, 0.3411,  
0.3634

 64.8063, 0.3683,  
0.3974


 142.0029, 0.3559,  
0.3818

 47.3041, 0.3741,  
0.4048


177.2464, 0.3529,  
0.3781

 33.2761, 0.3812,  
0.4139


217.8861, 0.3503,  
0.3748

 22.3380, 0.3899,  
0.4253

264.3065, 0.3480,  
0.3720

 14.1055, 0.4010,  
0.4399

316.8920, 0.3460,  
0.3694

 8.1941, 0.4150,  
0.4591

376.0269, 0.3442,

 4.2194, 0.4335,

0.3672

0.4858

442.0957, 0.3425,  
0.3652

■ 1.7970, 0.4663,  
0.5337

■ 0.4853, 0.4346,  
0.5654

■ 86.1673, 0.3635,  
0.3913

■ 86.1673, 0.3635,  
0.3913

■ 82.2266, 0.3815,  
0.4116

■ 90.3871, 0.3459,  
0.3705

■ 78.5528, 0.3994,  
0.4304

■ 94.8957, 0.3292,  
0.3500

■ 75.1338, 0.4165,  
0.4468

■ 99.7032, 0.3136,  
0.3302

■ 71.9559, 0.4319,  
0.4597

■ 100.0000, 0.3127,  
0.3290

■ 69.0034, 0.4448,  
0.4682

■ 66.2575, 0.4549,  
0.4719

■ 63.8369, 0.4618,  
0.4715

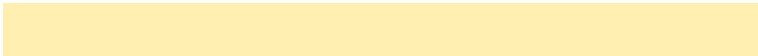
# Harmonies

## Analogous

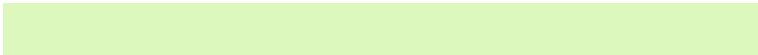
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1673, 0.3833, 0.3723



86.1673, 0.3635, 0.3913



86.1673, 0.3306, 0.3934

# Triad

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



86.1673, 0.3635, 0.3913



86.1673, 0.2468, 0.3072



86.1673, 0.3287, 0.2887

# Complementary

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



86.1673, 0.3635, 0.3913



54.6934, 0.2603, 0.2578

# 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.



86.1673, 0.2918, 0.2727



86.1673, 0.3635, 0.3913



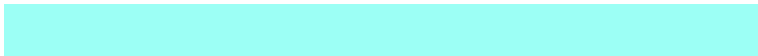
86.1673, 0.2463, 0.2814

# Square

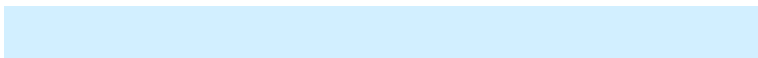
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1673, 0.3635, 0.3913



86.1673, 0.2638, 0.3421



86.1673, 0.2622, 0.2697

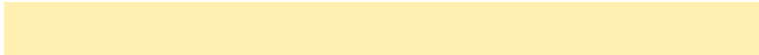


86.1673, 0.3630, 0.3141

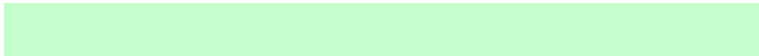


# Rectangle

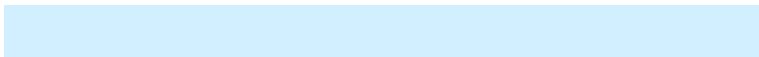
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1673, 0.3635, 0.3913



86.1673, 0.3060, 0.3832



86.1673, 0.2622, 0.2697



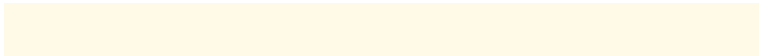
86.1673, 0.3162, 0.2821

# Sweetspot

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



86.1675, 0.3635, 0.3913



95.6433, 0.3266, 0.3468



56.5850, 0.3671, 0.3115



20.3258, 0.3290, 0.3497



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.



86.1675, 0.3635, 0.3913



83.6128, 0.3750, 0.4044



91.9991, 0.3441, 0.4097



20.4209, 0.3274, 0.3478



33.5768, 0.4610, 0.4722



3.4213, 0.4553, 0.4767



# Inverse Universe

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



54.6934, 0.2603, 0.2578



47.4016, 0.2480, 0.2399



50.8088, 0.2737, 0.2425



17.9809, 0.2979, 0.3095



5.2378, 0.1556, 0.0802



0.6570, 0.1610, 0.0995



# Previews

## White Background



This preview shows how the Yxy color 86.1673, 0.3635, 0.3913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

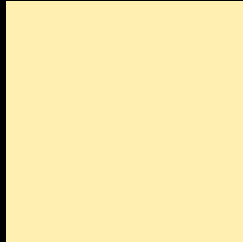
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1673, 0.3635, 0.3913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

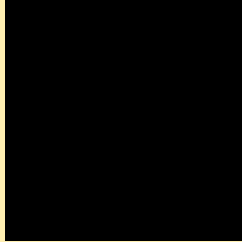
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.1673, 0.3635, 0.3913**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1673, 0.3635, 0.3913.



This preview shows how white text looks on a background with the Yxy color 86.1673, 0.3635, 0.3913.

# 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

86.1673, 0.3635, 0.3913

### Protanopia

86.3704, 0.3602, 0.3863

### Deuteranopia

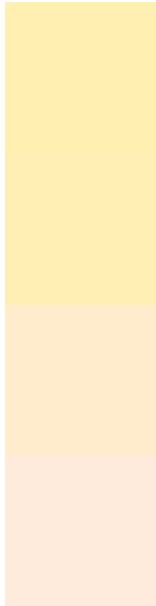
85.8440, 0.3360, 0.3440



## Tritanopia

86.1304, 0.3200, 0.3173

# Trichromacy



## Original Color

86.1673, 0.3635, 0.3913

## Protanomaly

86.2883, 0.3615, 0.3883

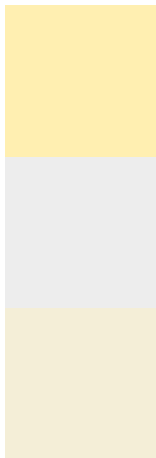
## Deuteranomaly

85.6105, 0.3465, 0.3611

## Tritanomaly

85.8440, 0.3360, 0.3440

# Monochromacy



## Original Color

86.1673, 0.3635, 0.3913

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.2885, 0.3312, 0.3525

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1673, 0.3635, 0.3913 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1673, 0.3635, 0.3913 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, 177) }
```

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

```
.border{ border-color:rgb(255, 239, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1673, 0.3635, 0.3913 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
239, 177) }
```

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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