

# Converting Colors

$Y_{xy}(134.1982, 0.4737, 0.3713)$

Have a look what the booklet for  
Yxy(134.1982, 0.4737, 0.3713)  
contains.

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# **Color**

**Yxy(87.1492, 0.3661, 0.3981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1AC
RGB	255, 241, 172
RGB Percent	100%, 95%, 67%
CMY	0.0000, 0.0549, 0.3255
CMYK	0.00, 0.05, 0.33, 0.00
HSL	50°, 100%, 84%
HSV	50°, 33%, 100%
XYZ	80.1440, 87.1492, 51.6196
YIQ	237.3200, 30.4930, -18.4910

# Conversions

## Conversions Part 2

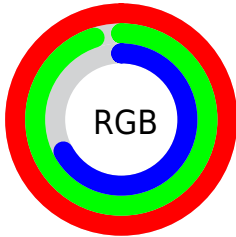
Format	Color
R <sub>Y</sub> B	189, 255, 172
Decimal	16773548
CIE Lab	94.80, -5.22, 35.09
CIE LCh	95, 35.475, 98.469
Yxy	87.1492, 0.3661, 0.3981
Android (android.graphics.Color)	4294963628 (0xFFFFF1AC)
YUV	237.3200, -32.2028, 15.5054
Hunter-Lab	93.3537, -10.1272, 32.5634

# Details

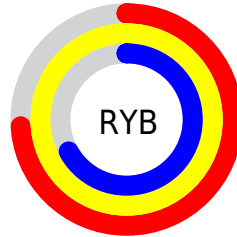
The Yxy color **87.1492, 0.3661, 0.3981** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.1002, 0.2561, 0.2488**, and the grayscale version is **85.1826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **47.9001, 0.3768, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **83.7477, 0.3835, 0.4189**, and if you desaturate by 10%, it is **90.8019, 0.3489, 0.3766**.

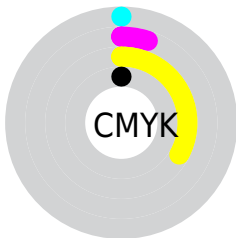
# Distribution



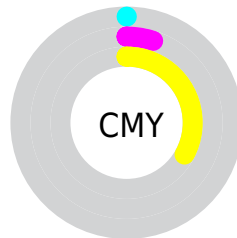
- Red (100%)
- Green (95%)
- Blue (67%)



- Red (74%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (5%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1492, 0.3661, 0.3981 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 87.1492, 0.3661, 0.3981 by changing the saturation by 10% instead.




 87.1492, 0.3661,  
0.3981

 87.1492, 0.3661,  
0.3981


518.7130, 0.3427,  
0.3672

 65.6187, 0.3711,  
0.4048


 143.3721, 0.3583,  
0.3876

 47.9629, 0.3770,  
0.4130

178.8332, 0.3551,  
0.3835

 33.7975, 0.3842,  
0.4230


219.7067, 0.3524,  
0.3799

 22.7381, 0.3930,  
0.4355

266.3769, 0.3500,  
0.3767

 14.4002, 0.4039,  
0.4514

319.2283, 0.3479,  
0.3739

 8.3996, 0.4173,  
0.4720

378.6451, 0.3460,

 4.3517, 0.4360,

0.3714

0.5021

445.0119, 0.3442,  
0.3692

■ 1.8722, 0.4573,  
0.5427

■ 0.5316, 0.4154,  
0.5846

■ 87.1492, 0.3661,  
0.3981

■ 87.1492, 0.3661,  
0.3981

■ 83.7477, 0.3835,  
0.4189

■ 90.8019, 0.3489,  
0.3766

■ 80.5815, 0.4003,  
0.4379

■ 94.7114, 0.3322,  
0.3551

■ 77.6398, 0.4160,  
0.4542

■ 98.8890, 0.3165,  
0.3342

■ 74.9090, 0.4297,  
0.4668

100.0000, 0.3127,  
0.3290

■ 72.3731, 0.4407,  
0.4749

■ 70.0132, 0.4489,  
0.4783

■ 68.3497, 0.4533,  
0.4783

# Harmonies

## Analogous

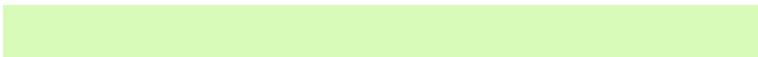
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1492, 0.3893, 0.3778



87.1492, 0.3661, 0.3981



87.1492, 0.3293, 0.3993

# Triad

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



87.1492, 0.3661, 0.3981



87.1492, 0.2402, 0.3025



87.1492, 0.3329, 0.2867

# Complementary

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



87.1492, 0.3661, 0.3981



51.1002, 0.2561, 0.2488

# 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.



87.1492, 0.2922, 0.2685



87.1492, 0.3661, 0.3981



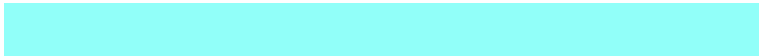
87.1492, 0.2409, 0.2754

# Square

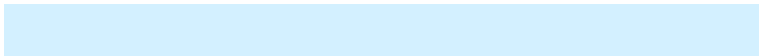
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1492, 0.3661, 0.3981



87.1492, 0.2574, 0.3405



87.1492, 0.2593, 0.2640



87.1492, 0.3700, 0.3147

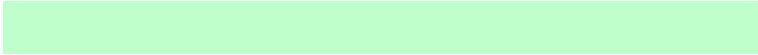


# Rectangle

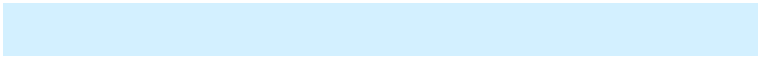
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1492, 0.3661, 0.3981



87.1492, 0.3025, 0.3872



87.1492, 0.2593, 0.2640



87.1492, 0.3191, 0.2793

# Sweetspot

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



87.1508, 0.3661, 0.3981



95.7525, 0.3281, 0.3497



54.3570, 0.3745, 0.3132



20.3719, 0.3304, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

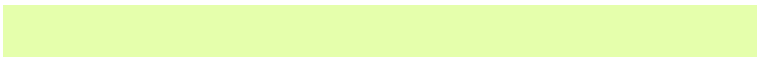
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1508, 0.3661, 0.3981



84.9294, 0.3773, 0.4116



91.1089, 0.3441, 0.4157



20.5386, 0.3273, 0.3486



35.9065, 0.4527, 0.4788



3.6280, 0.4482, 0.4823



# Inverse Universe

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



51.1002, 0.2561, 0.2488



43.8693, 0.2434, 0.2297



48.7634, 0.2726, 0.2367



17.8725, 0.2979, 0.3086



4.8189, 0.1541, 0.0746



0.6009, 0.1590, 0.0923



# Previews

## White Background



This preview shows how the Yxy color 87.1492, 0.3661, 0.3981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

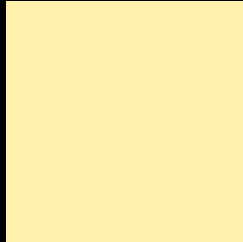
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1492, 0.3661, 0.3981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

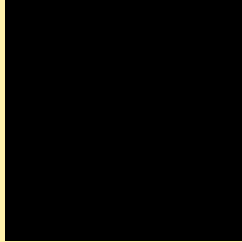
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.1492, 0.3661, 0.3981**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1492, 0.3661, 0.3981.



This preview shows how white text looks on a background with the Yxy color 87.1492, 0.3661, 0.3981.

# 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

87.1492, 0.3661, 0.3981

### Protanopia

87.2110, 0.3561, 0.3812

### Deuteranopia

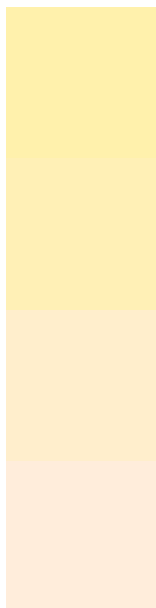
87.1023, 0.3345, 0.3439



## Tritanopia

87.3305, 0.3192, 0.3183

# Trichromacy



## Original Color

87.1492, 0.3661, 0.3981

## Protanomaly

86.9576, 0.3600, 0.3872

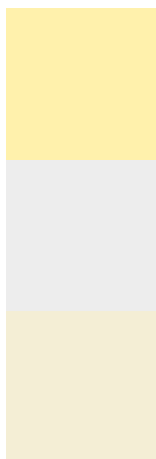
## Deuteranomaly

86.7687, 0.3461, 0.3631

## Tritanomaly

86.9428, 0.3364, 0.3469

# Monochromacy



## Original Color

87.1492, 0.3661, 0.3981

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.1863, 0.3325, 0.3546

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1492, 0.3661, 0.3981 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, 241, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 172)  
}
```

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, 241, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1492, 0.3661, 0.3981 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, 241, 172) }
```

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

```
.border{ border-color:rgb(255, 241, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1492, 0.3661, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 172) }
```

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

```
.background{ background-color: rgb(255,  
241, 172) }
```

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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