

# Converting Colors

YIQ(229.4610, 34.7100,  
-12.3140)

Have a look what the booklet for  
YIQ(229.4610, 34.7100, -12.3140)  
contains.

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# Color

**YIQ(229.4610, 34.7100,  
-12.3140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4AA
RGB	255, 228, 170
RGB Percent	100%, 89%, 67%
CMY	0.0000, 0.1059, 0.3331
CMYK	0.00, 0.11, 0.33, 0.00
HSL	41°, 100%, 83%
HSV	41°, 33%, 100%
XYZ	76.2403, 79.6445, 49.4080
YIQ	229.4610, 34.7100, -12.3140

# Conversions

## Conversions Part 2

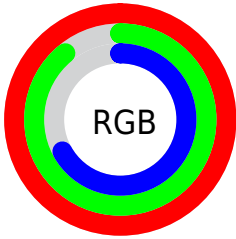
Format	Color
<a href="#">RYB</a>	<a href="#">210, 255, 170</a>
Decimal	<a href="#">16770218</a>
CIELab	<a href="#">91.53, 1.10, 31.70</a>
CIElCh	<a href="#">92, 31.718, 88.011</a>
Yxy	<a href="#">79.6445, 0.3714, 0.3880</a>
Android (android.graphics.Color)	<a href="#">4294960298 (0xFFFFE4AA)</a>
YUV	<a href="#">229.4610, -29.3143, 22.3977</a>
Hunter-Lab	<a href="#">89.2438, -3.6853, 29.6460</a>

# Details

The YIQ color  $229.4610, 34.7100, -12.3140$  is a light color, and the websafe version is hex  $\text{FFCC99}$ . A complement of this color would be  $195.5390, -34.7100, 12.3140$ , and the grayscale version is  $230.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $251.6940, 9.3090, -9.0190$ , and  $173.7920, 32.2800, -12.3280$  is the 20% darker color. If you saturate the color by 10%, you get  $221.9150, 44.9350, -15.9050$ , and if you desaturate by 10%, it is  $237.1210, 24.1640, -8.4120$ .

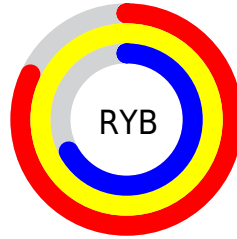
# Distribution



Red (100%)

Green (89%)

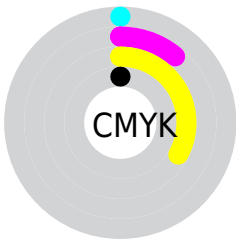
Blue (67%)



Red (82%)

Yellow (100%)

Blue (67%)

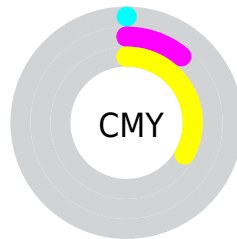


Cyan (0%)

Magenta (11%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 229.4610, 34.7100, -12.3140 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 YIQ color 229.4610, 34.7100, -12.3140 by changing the saturation by 10% instead.




 229.4610, 34.7100,  
-12.3140


 229.4610, 34.7100,  
-12.3140


255.0000, -0.0000,  
-0.0000


 201.2760, 33.7930,  
-12.2150


 251.6940, 9.3090,  
-9.0190

 173.7920, 32.2800,  
-12.3280

 146.7210, 31.0420,  
-11.9180

 121.2370, 29.5290,  
-12.0310

 95.8670, 27.6950,  
-11.8330

 71.3830, 26.1820,  
-11.9460

 48.7850, 24.9900,

-12.3700

■ 29.2820, 16.4610,  
-6.4750

■ 5.6370, 5.4560,  
0.2400

■ 229.4610, 34.7100,  
-12.3140

■ 229.4610, 34.7100,  
-12.3140

■ 221.9150, 44.9350,  
-15.9050

■ 237.1210, 24.1640,  
-8.4120

■ 214.2550, 55.4810,  
-19.8070

■ 244.6670, 13.9390,  
-4.8210

■ 206.7090, 65.7060,  
-23.3980

■ 252.3270, 3.3930,  
-0.9190

■ 199.0490, 76.2520,  
-27.3000

■ 255.0000, -0.0000,  
-0.0000

■ 190.9160, 86.7520,  
-30.3680

■ 183.2560, 97.2980,  
-34.2700

■ 178.3830,  
104.1300, -36.9420

# Harmonies

## Analogous

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



224.7310, 34.2500, -3.9740



229.4610, 34.7100, -12.3140



226.4470, 10.9620, -22.4620

# Triad

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



229.4610, 34.7100, -12.3140



216.2180, -65.7440, -19.9840



230.9330, 11.2750, 21.4430

# Complementary

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



229.4610, 34.7100, -12.3140



195.5390, -34.7100, 12.3140

# 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.



230.2250, -4.5870, 11.5490



229.4610, 34.7100, -12.3140



217.1700, -56.6210, -14.6130

# Square

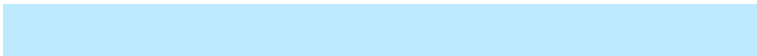
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



229.4610, 34.7100, -12.3140



218.2120, -48.4120, -25.7240



223.2380, -32.9650, -2.7970



225.6040, 19.3910, 17.5270

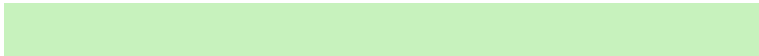


# Rectangle

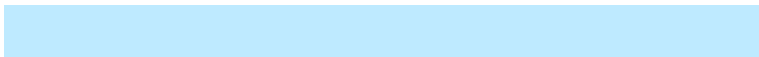
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



229.4610, 34.7100, -12.3140



223.1010, -8.6150, -25.5990



223.2380, -32.9650, -2.7970



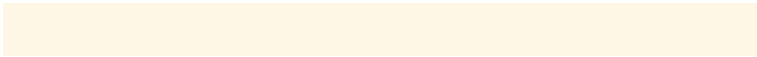
232.6940, 10.4500, 19.8740

# Sweetspot

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



229.4610, 34.7100, -12.3140



247.4540, 10.2250, -3.5910



198.6070, 41.6720, 26.7280



123.2410, 6.5110, -2.3610



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

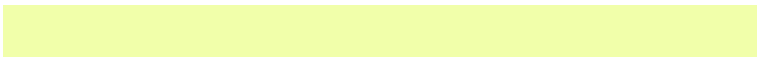
The Same Dimension uses a secret algorithm to generate beautiful new colors.



229.4610, 34.7100, -12.3140



224.5880, 41.5420, -14.9860



241.1240, 18.9410, -29.4030



123.5830, 5.5480, -1.4280



133.4190, 78.0860, -27.4980



44.3770, 26.3190, -8.9210



# Inverse Universe

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



195.5390, -34.7100, 12.3140



183.4120, -41.5420, 14.9860



183.8760, -18.9410, 29.4030



118.8300, -5.2730, 1.9510



57.5810, -78.0860, 27.4980



19.0360, -26.0440, 9.4440



# Previews

## White Background



This preview shows how the YIQ color 229.4610, 34.7100, -12.3140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

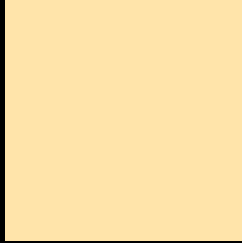
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 229.4610, 34.7100, -12.3140 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](#).

# YIQ 229.4610, 34.7100, -12.3140

## Background



This preview shows how black text looks on a background with the YIQ color 229.4610, 34.7100, -12.3140.



This preview shows how white text looks on a background with the YIQ color 229.4610, 34.7100, -12.3140.

-12.3140.

# 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

229.4610, 34.7100, -12.3140

### Protanopia

229.2430, 29.3920, -15.0560

### Deuteranopia

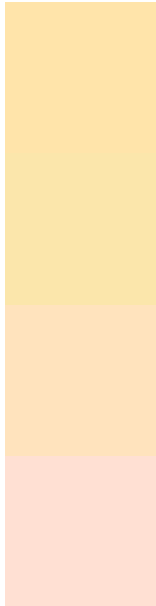
231.7070, 25.6300, -1.9380



## Tritanopia

233.3490, 15.4950, 11.0390

# Trichromacy



## Original Color

229.4610, 34.7100, -12.3140

## Protanomaly

229.5530, 31.4550, -13.8970

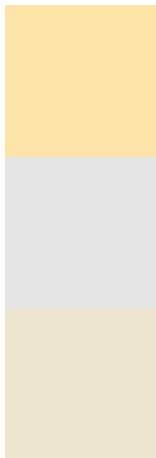
## Deuteranomaly

231.0400, 28.8860, -5.8820

## Tritanomaly

231.7870, 22.6490, 2.5290

# Monochromacy



## Original Color

229.4610, 34.7100, -12.3140

## Achromatopsia

229.0000, -0.0000, -0.0000

## Achromatomaly

229.2970, 12.1050, -4.6230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 229.4610, 34.7100, -12.3140 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, 228, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 170)  
}
```

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, 228, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 170) }
```

## Border

The CSS property to change the border of an element to YIQ 229.4610, 34.7100, -12.3140 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, 228, 170) }
```



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

```
.border{ border-color:rgb(255, 228, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
170) }
```

# Background

The CSS property to change the background color of an element to YIQ 229.4610, 34.7100, -12.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 170) }
```

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

```
.background{ background-color: rgb(255,  
228, 170) }
```

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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