

# Converting Colors

YIQ(234.4890, 12.2850, 14.1490)

Have a look what the booklet for  
YIQ(234.4890, 12.2850, 14.1490)  
contains.

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# Color

**YIQ(234.4890, 12.2850,  
14.1490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEF5
RGB	255, 222, 245
RGB Percent	100%, 87%, 96%
CMY	0.0000, 0.1294, 0.0392
CMYK	0.00, 0.13, 0.04, 0.00
HSL	318°, 100%, 94%
HSV	318°, 13%, 100%
XYZ	83.8402, 80.0883, 97.4322
YIQ	234.4890, 12.2850, 14.1490

# Conversions

## Conversions Part 2

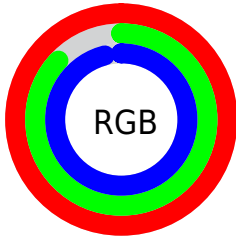
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 245
Decimal	16768757
CIE Lab	91.72, 15.19, -7.00
CIE LCh	92, 16.725, 335.274
Yxy	80.0883, 0.3208, 0.3064
Android (android.graphics.Color)	4294958837 (0xFFFFDEF5)
YUV	234.4890, 5.1819, 17.9881
Hunter-Lab	89.4920, 10.6159, -1.9061

# Details

The YIQ color  $234.4890, 12.2850, 14.1490$  is a light color, and the websafe version is hex  $\text{FFCCCC}$ . A complement of this color would be  $242.5110, -12.2850, -14.1490$ , and the grayscale version is  $234.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $178.7770, 11.4140, 13.4140$  is the 20% darker color. If you saturate the color by 10%, you get  $218.3150, 22.0030, 25.2590$ , and if you desaturate by 10%, it is  $250.0760, 2.8420, 3.5620$ .

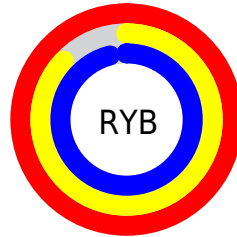
# Distribution



Red (100%)

Green (87%)

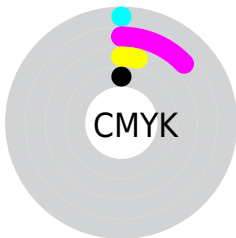
Blue (96%)



Red (100%)

Yellow (87%)

Blue (96%)

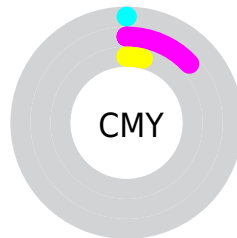


Cyan (0%)

Magenta (13%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 234.4890, 12.2850, 14.1490 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 234.4890, 12.2850, 14.1490 by changing the saturation by 10% instead.



234.4890, 12.2850,  
14.1490

234.4890, 12.2850,  
14.1490

255.0000, -0.0000,  
-0.0000

206.1900, 11.6890,  
13.9370

178.7770, 11.4140,  
13.4140

151.7770, 11.4140,  
13.4140

126.0650, 10.5430,  
12.6790

100.6520, 10.2680,  
12.1560

76.3530, 9.6720,  
11.9440

53.6410, 8.8010,

11.2090

■ 32.2280, 8.5260,  
10.6860

■ 10.7660, 9.9470,  
12.4670

■ 234.4890, 12.2850,  
14.1490

■ 234.4890, 12.2850,  
14.1490

■ 218.3150, 22.0030,  
25.2590

■ 250.0760, 2.8420,  
3.5620

■ 202.8420, 31.1250,  
36.1570

255.0000, -0.0000,  
-0.0000

■ 186.6680, 40.8430,  
47.2670

■ 171.0810, 50.2860,  
57.8540

■ 154.9070, 60.0040,  
68.9640

■ 139.4340, 69.1260,  
79.8620

■ 123.2600, 78.8440,  
90.9720

■ 107.6730, 88.2870,  
101.5590

■ 96.5370, 94.8420,  
109.4180

# Harmonies

## Analogous

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



232.8940, -2.1570, 11.5630



234.4890, 12.2850, 14.1490



231.4910, 17.9710, 10.2190

# Triad

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



234.4890, 12.2850, 14.1490



230.3420, 16.2320, -7.8320



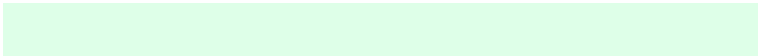
226.3750, -32.0930, -7.5890

# Complementary

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



234.4890, 12.2850, 14.1490



242.5110, -12.2850, -14.1490

# 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.



225.8500, -26.3610, -12.3530



234.4890, 12.2850, 14.1490



228.5790, 2.2030, -12.3970

# Square

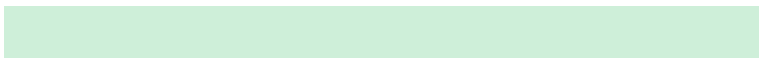
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



234.4890, 12.2850, 14.1490



232.0490, 24.6670, -1.0050



226.6250, -12.6060, -13.8380



227.9890, -27.8300, -2.2460

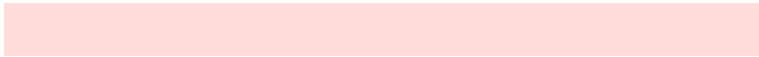


# Rectangle

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



234.4890, 12.2850, 14.1490



230.8240, 21.2270, 6.2750



226.6250, -12.6060, -13.8380



225.5060, -31.0840, -9.3560

# Sweetspot

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



234.4890, 12.2850, 14.1490



248.7880, 3.7130, 4.2970



228.7520, -4.6330, 12.3830



123.6630, 2.5670, 3.0390



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.



234.4890, 12.2850, 14.1490



229.5650, 15.1270, 17.7110



232.6650, 17.4210, 9.1730



119.9130, 4.8590, 5.5550



72.2710, 71.1430, 81.8550



24.1520, 24.0200, 27.2520



# Inverse Universe

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



234.4890, 12.2850, 14.1490



229.5650, 15.1270, 17.7110



244.3350, -17.4210, -9.1730



119.9130, 4.8590, 5.5550



72.2710, 71.1430, 81.8550

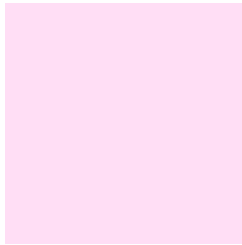


24.1520, 24.0200, 27.2520



# Previews

## White Background



This preview shows how the YIQ color 234.4890, 12.2850, 14.1490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

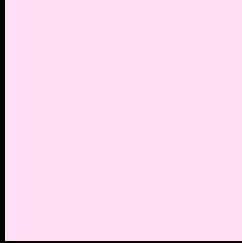
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 234.4890, 12.2850, 14.1490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

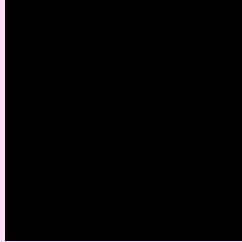
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 234.4890, 12.2850, 14.1490

## Background



This preview shows how black text looks on a background with the YIQ color 234.4890, 12.2850, 14.1490.



This preview shows how white text looks on a background with the YIQ color 234.4890, 12.2850,

14.1490.

# 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

234.4890, 12.2850, 14.1490

### Protanopia

232.2800, -6.4200, 6.2200

### Deuteranopia

234.0430, 7.6090, 10.7850



## **Tritanopia**

234.2070, 13.0190, 11.8590

# Trichromacy



## Original Color

234.4890, 12.2850, 14.1490

## Protanomaly

232.9820, 0.4110, 9.0750

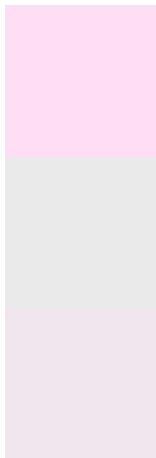
## Deuteranomaly

234.3530, 9.6720, 11.9440

## Tritanomaly

234.4350, 12.3770, 12.4810

# Monochromacy



## Original Color

234.4890, 12.2850, 14.1490

## Achromatopsia

234.0000, -0.0000, 0.0000

## Achromatomaly

234.5000, 4.5840, 5.0320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 234.4890, 12.2850, 14.1490 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, 222, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 245)  
}
```

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, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 245) }
```

## Border

The CSS property to change the border of an element to YIQ 234.4890, 12.2850, 14.1490 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, 222, 245) }
```



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

```
.border{ border-color:rgb(255, 222, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
245) }
```

# Background

The CSS property to change the background color of an element to YIQ 234.4890, 12.2850, 14.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 245) }
```

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

```
.background{ background-color: rgb(255,  
222, 245) }
```

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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