

# Converting Colors

YIQ(236.6570, 19.8990, -2.7010)

Have a look what the booklet for  
YIQ(236.6570, 19.8990, -2.7010)  
contains.

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# Color

**YIQ(236.6570, 19.8990,  
-2.7010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE9D2
RGB	254, 233, 210
RGB Percent	100%, 91%, 82%
CMY	0.0039, 0.0863, 0.1764
CMYK	0.00, 0.08, 0.17, 0.00
HSL	31°, 96%, 91%
HSV	31°, 17%, 100%
XYZ	81.6487, 83.9997, 72.8991
YIQ	236.6570, 19.8990, -2.7010

# Conversions

## Conversions Part 2

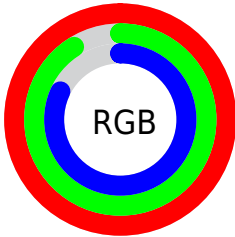
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 254, 210
Decimal	16706002
CIE Lab	93.45, 3.54, 13.74
CIE LCh	93, 14.191, 75.565
Yxy	83.9997, 0.3423, 0.3521
Android (android.graphics.Color)	4294896082 (0xFFFE9D2)
YUV	236.6570, -13.1419, 15.2098
Hunter-Lab	91.6514, -1.3710, 16.9969

# Details

The YIQ color  $236.6570, 19.8990, -2.7010$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $227.3430, -19.8990, 2.7010$ , and the grayscale version is  $237.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $180.5860, 18.6610, -2.2910$  is the 20% darker color. If you saturate the color by 10%, you get  $226.7630, 31.2240, -4.2000$ , and if you desaturate by 10%, it is  $246.5510, 8.5740, -1.2020$ .

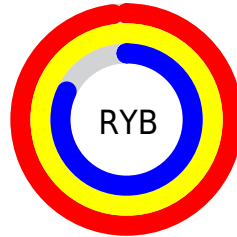
# Distribution



Red (100%)

Green (91%)

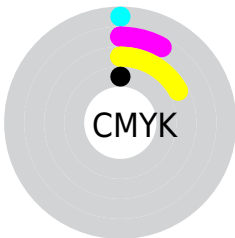
Blue (82%)



Red (98%)

Yellow (100%)

Blue (82%)

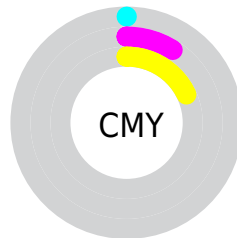


Cyan (0%)

Magenta (8%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 236.6570, 19.8990, -2.7010 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 236.6570, 19.8990, -2.7010 by changing the saturation by 10% instead.



236.6570, 19.8990,  
-2.7010

236.6570, 19.8990,  
-2.7010

255.0000, -0.0000,  
-0.0000

208.3580, 19.3030,  
-2.9130

180.5860, 18.6610,  
-2.2910

154.1730, 18.3860,  
-2.8140

127.9880, 17.4690,  
-2.7150

102.8030, 16.5520,  
-2.6160

78.6180, 15.6350,  
-2.5170

55.4330, 14.7180,

-2.4180

■ 33.9490, 13.2050,  
-2.5310

■ 12.1600, 11.2330,  
0.1690

■ 236.6570, 19.8990,  
-2.7010

■ 236.6570, 19.8990,  
-2.7010

■ 226.7630, 31.2240,  
-4.2000

■ 246.5510, 8.5740,  
-1.2020

■ 216.7550, 42.8700,  
-6.0100

254.7010, -0.5960,  
-0.2120

■ 206.8610, 54.1950,  
-7.5090

■ 196.2660, 66.1160,  
-8.7960

■ 186.3720, 77.4410,  
-10.2950

■ 176.4780, 88.7660,  
-11.7940

■ 166.4700,  
100.4120, -13.6040

■ 156.5760,  
111.7370, -15.1030

■ 154.0170,  
114.8090, -15.7110

# Harmonies

## Analogous

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



235.4060, 19.3480, 1.7800



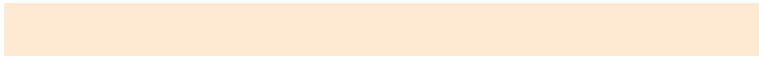
236.6570, 19.8990, -2.7010



235.4060, 10.1800, -8.2840

# Triad

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



236.6570, 19.8990, -2.7010



231.3280, -24.7110, -9.2150



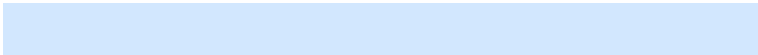
238.8190, 2.4280, 11.0680

# Complementary

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



236.6570, 19.8990, -2.7010



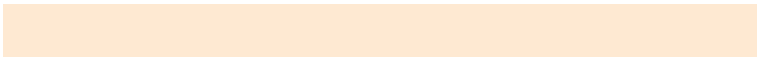
227.3430, -19.8990, 2.7010

# Split Complementary

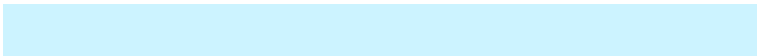
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



236.0840, -8.8040, 5.3720



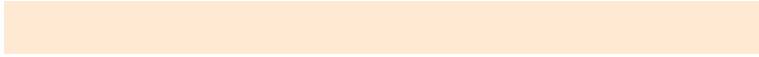
236.6570, 19.8990, -2.7010



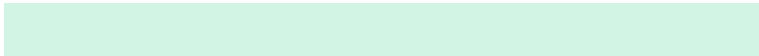
232.7070, -27.0960, -4.5360

# Square

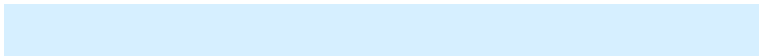
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



236.6570, 19.8990, -2.7010



232.1240, -15.4490, -11.8730



233.3490, -20.0360, -0.3240

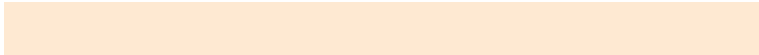


237.7830, 11.2770, 10.3890



# Rectangle

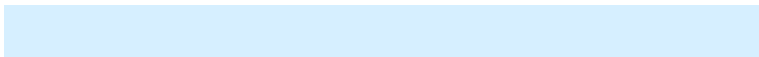
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



236.6570, 19.8990, -2.7010



233.7470, 1.7900, -10.4180



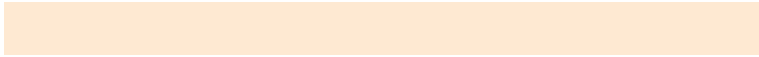
233.3490, -20.0360, -0.3240



237.6120, -1.4230, 9.2730

# Sweetspot

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



236.6570, 19.8990, -2.7010



249.9960, 5.8230, -0.9050



225.5500, 19.4830, 15.8590



124.7400, 3.6680, -0.3960



0.0000, 0.0000, 0.0000

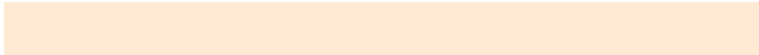


128.0000, -0.0000, -0.0000

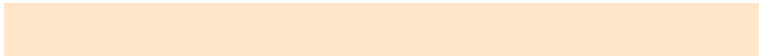


# Same Dimension

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



236.6570, 19.8990, -2.7010



233.5820, 24.4840, -3.1960



248.6850, 13.5280, -13.8960



122.4090, 6.0980, -0.3820



115.8090, 86.3360, -11.8080

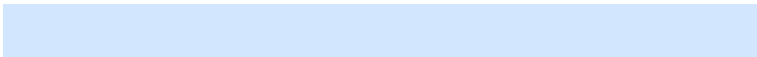


38.5070, 29.0690, -3.6910

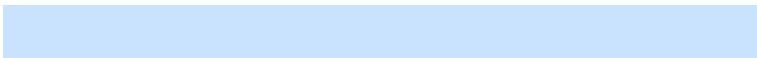


# Inverse Universe

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



227.3430, -19.8990, 2.7010



222.4180, -24.4840, 3.1960



215.3150, -13.5280, 13.8960



120.0040, -5.8230, 0.9050



75.1910, -86.3360, 11.8080

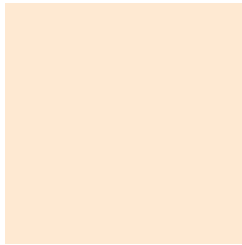


24.9060, -28.7940, 4.2140



# Previews

## White Background



This preview shows how the YIQ color 236.6570, 19.8990, -2.7010 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 236.6570, 19.8990, -2.7010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

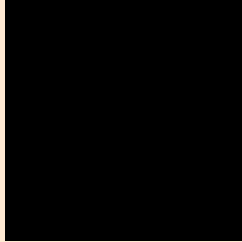
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 236.6570, 19.8990, -2.7010

## Background



This preview shows how black text looks on a background with the YIQ color 236.6570, 19.8990, -2.7010.



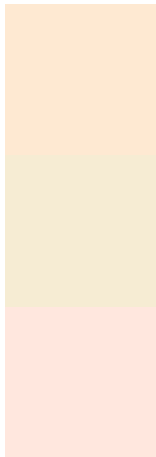
This preview shows how white text looks on a background with the YIQ color 236.6570, 19.8990,

-2.7010.

# 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

236.6570, 19.8990, -2.7010

### Protanopia

236.1400, 13.9850, -5.6550

### Deuteranopia

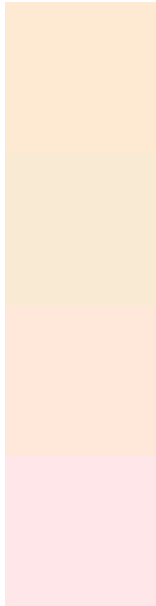
237.1500, 17.1930, 2.2890



## Tritanopia

238.4840, 10.6810, 10.1770

# Trichromacy



## Original Color

236.6570, 19.8990, -2.7010

## Protanomaly

236.4500, 16.0480, -4.4960

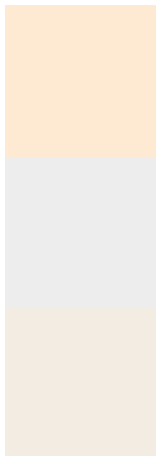
## Deuteranomaly

237.2810, 18.2020, 0.5220

## Tritanomaly

237.7030, 14.2580, 5.9220

# Monochromacy



## Original Color

236.6570, 19.8990, -2.7010

## Achromatopsia

237.0000, -0.0000, -0.0000

## Achromatomaly

237.0670, 7.0610, -1.3150

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 236.6570, 19.8990, -2.7010 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(254, 233, 210)` looks like.

```
.text, #text, p{  
    color:rgb(254, 233, 210)  
}
```

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(254, 233, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 233, 210) }
```

## Border

The CSS property to change the border of an element to YIQ 236.6570, 19.8990, -2.7010 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(254, 233, 210) }
```



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

```
.border{ border-color:rgb(254, 233, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 233, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 233, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 233, 210);  
box-shadow:4px 4px 4px 4px rgb(254, 233,  
210) }
```

# Background

The CSS property to change the background color of an element to YIQ 236.6570, 19.8990, -2.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 233, 210) }
```

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

```
.background{ background-color: rgb(254,  
233, 210) }
```

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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