

# Converting Colors

YIQ(210.9960, 31.0450,  
-28.4990)

Have a look what the booklet for  
YIQ(210.9960, 31.0450, -28.4990)  
contains.

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# Color

**YIQ(210.9960, 31.0450,  
-28.4990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFDD80
RGB	223, 221, 128
RGB Percent	87%, 87%, 50%
CMY	0.1255, 0.1333, 0.4978
CMYK	0.00, 0.01, 0.43, 0.13
HSL	59°, 60%, 69%
HSV	59°, 43%, 87%
XYZ	60.1830, 68.9580, 30.5775
YIQ	210.9960, 31.0450, -28.4990

# Conversions

## Conversions Part 2

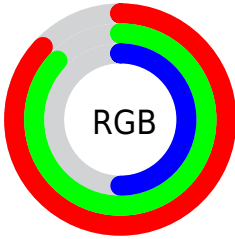
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 223, 128
Decimal	14671232
CIELab	86.48, -12.38, 45.72
CIELCh	86, 47.371, 105.155
Yxy	68.9580, 0.3768, 0.4317
Android (android.graphics.Color)	4292861312 (0xFFDFD8)
YUV	210.9960, -40.9170, 10.5275
Hunter-Lab	83.0409, -15.9558, 36.2968

# Details

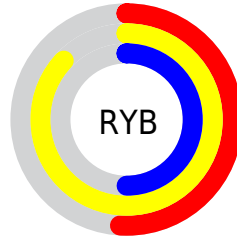
The YIQ color  $210.9960, 31.0450, -28.4990$  is a light color, and the websafe version is hex  $CCCC66$ . A complement of this color would be  $140.0040, -31.0450, 28.4990$ , and the grayscale version is  $211.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $246.6780, 23.4330, -22.7030$ , and  $155.7400, 28.8900, -27.9900$  is the 20% darker color. If you saturate the color by 10%, you get  $208.4880, 38.1070, -35.3410$ , and if you desaturate by 10%, it is  $213.5040, 23.9830, -21.6570$ .

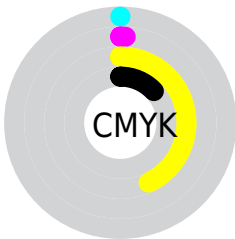
# Distribution



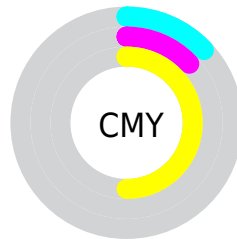
- Red (87%)
- Green (87%)
- Blue (50%)



- Red (51%)
- Yellow (87%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 210.9960, 31.0450, -28.4990 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 210.9960, 31.0450, -28.4990 by changing the saturation by 10% instead.



210.9960, 31.0450,  
-28.4990

210.9960, 31.0450,  
-28.4990

255.0000, -0.0000,  
-0.0000

182.9250, 29.8070,  
-28.0890

246.6780, 23.4330,  
-22.7030

155.7400, 28.8900,  
-27.9900

249.8700, 14.4450,  
-13.9950

129.5550, 27.9730,  
-27.8910

253.1760, 5.1360,  
-4.9760

103.2560, 27.3770,  
-28.1030

78.5440, 26.5060,  
-28.8380

57.5680, 17.9310,  
-22.1090

37.1790, 9.0810,

-15.9030

■ 15.8710, -4.4910,  
-12.2270

■ 0.0000, 0.0000,  
0.0000

■ 210.9960, 31.0450,  
-28.4990

■ 210.9960, 31.0450,  
-28.4990

■ 208.4880, 38.1070,  
-35.3410

■ 213.5040, 23.9830,  
-21.6570

■ 205.2790, 45.7650,  
-41.9710

■ 216.7130, 16.3250,  
-15.0270

■ 202.7710, 52.8270,  
-48.8130

■ 219.2210, 9.2630,  
-8.1850

■ 199.6760, 60.1640,  
-55.1320

■ 222.3160, 1.9260,  
-1.8660

■ 197.1680, 67.2260,  
-61.9740

■ 224.9380, -5.4570,  
5.2870

■ 194.6430, 72.9580,  
-66.7380

■ 227.2350,  
-10.5470, 9.4290

■ 227.8220,  
-10.8220, 8.9060

# Harmonies

## Analogous

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



211.9870, 53.6000, -13.2480



210.9960, 31.0450, -28.4990



205.1250, -9.1630, -37.6990

# Triad

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



210.9960, 31.0450, -28.4990



168.1890, -147.0300, -44.6460



211.7270, 24.0190, 32.7790

# Complementary

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



210.9960, 31.0450, -28.4990



140.0040, -31.0450, 28.4990

# 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.



218.8720, 13.2450, 29.7970



210.9960, 31.0450, -28.4990



194.3120, -80.5080, -16.7320

# Square

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



210.9960, 31.0450, -28.4990



176.3840, -125.7100, -45.5660



210.3130, -28.3820, 7.7620



205.3090, 39.3350, 19.5190



# Rectangle

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



210.9960, 31.0450, -28.4990



199.6620, -41.5320, -40.2840



210.3130, -28.3820, 7.7620



215.0840, 18.7000, 35.5640

# Sweetspot

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



210.9960, 31.0450, -28.4990



250.6510, 10.8680, -9.7400



156.7470, 55.6570, 21.0730



125.0190, 7.0160, -6.0080



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.



210.9960, 31.0450, -28.4990



238.4190, 42.5550, -38.8610



199.0140, 4.2710, -38.8730



110.7460, 3.5310, -3.4210



153.5880, 57.5960, -52.6440



41.9410, 15.6830, -14.4050



# Inverse Universe

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



140.0040, -31.0450, 28.4990



141.5810, -42.5550, 38.8610



151.9860, -4.2710, 38.8730



102.2540, -3.5310, 3.4210



22.4120, -57.5960, 52.6440

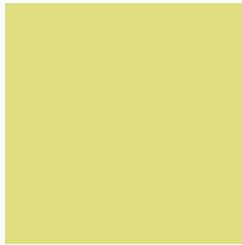


6.0590, -15.6830, 14.4050



# Previews

## White Background



This preview shows how the YIQ color 210.9960, 31.0450, -28.4990 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 210.9960, 31.0450, -28.4990 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 210.9960, 31.0450, -28.4990

## Background



This preview shows how black text looks on a background with the YIQ color 210.9960, 31.0450, -28.4990.



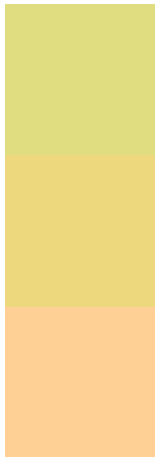
This preview shows how white text looks on a background with the YIQ color 210.9960, 31.0450,

-28.4990.

# 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

210.9960, 31.0450, -28.4990

### Protanopia

212.0190, 41.4060, -23.5380

### Deuteranopia

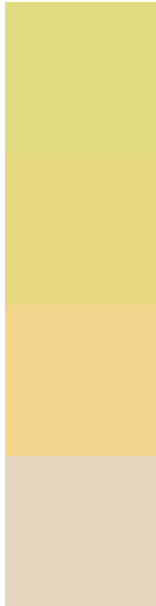
215.4410, 46.6300, -8.0740



## Tritanopia

219.0000, 9.1680, 10.0640

# Trichromacy



## Original Color

210.9960, 31.0450, -28.4990

## Protanomaly

211.8120, 37.5550, -25.3330

## Deuteranomaly

213.8760, 40.6710, -15.7210

## Tritanomaly

216.0480, 17.2400, -4.0720

# Monochromacy



## Original Color

210.9960, 31.0450, -28.4990

## Achromatopsia

211.0000, 0.0000, -0.0000

## Achromatomaly

211.1240, 10.9140, -10.5740

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 210.9960, 31.0450, -28.4990 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(223, 221, 128)` looks like.

```
.text, #text, p{  
    color:rgb(223, 221, 128)  
}
```

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(223, 221, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 221, 128) }
```

## Border

The CSS property to change the border of an element to YIQ 210.9960, 31.0450, -28.4990 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(223, 221, 128) }
```



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

```
.border{ border-color:rgb(223, 221, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 221, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 221, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 221, 128);  
box-shadow:4px 4px 4px 4px rgb(223, 221,  
128) }
```

# Background

The CSS property to change the background color of an element to YIQ 210.9960, 31.0450, -28.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 221, 128) }
```

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

```
.background{ background-color: rgb(223,  
221, 128) }
```

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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