

# Converting Colors

YIQ(218.5670, 27.6990,  
-33.9410)

Have a look what the booklet for  
YIQ(218.5670, 27.6990, -33.9410)  
contains.

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# Color

**YIQ(218.5670, 27.6990,  
-33.9410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E982
RGB	224, 233, 130
RGB Percent	88%, 91%, 51%
CMY	0.1217, 0.0862, 0.4900
CMYK	0.04, 0.00, 0.44, 0.09
HSL	65°, 70%, 71%
HSV	65°, 44%, 91%
XYZ	63.9061, 75.7366, 32.3865
YIQ	218.5670, 27.6990, -33.9410

# Conversions

## Conversions Part 2

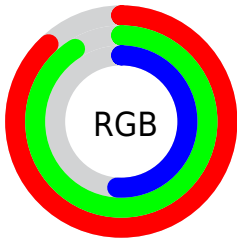
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 233, 139
Decimal	14739842
CIE <sub>Lab</sub>	89.74, -17.73, 48.80
CIE <sub>LCh</sub>	90, 51.921, 109.969
Yxy	75.7366, 0.3715, 0.4403
Android (android.graphics.Color)	4292929922 (0xFFE0E982)
YUV	218.5670, -43.6635, 4.7647
Hunter-Lab	87.0268, -21.2195, 38.8543

# Details

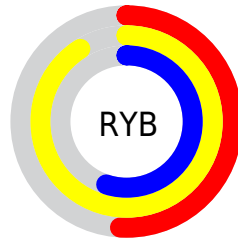
The YIQ color **218.5670, 27.6990, -33.9410** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **144.4330, -27.6990, 33.9410**, and the grayscale version is **219.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **247.0200, 22.4700, -21.7700**, and **162.7240, 25.8190, -32.9090** is the 20% darker color. If you saturate the color by 10%, you get **215.3470, 33.8900, -41.5180**, and if you desaturate by 10%, it is **221.7870, 21.5080, -26.3640**.

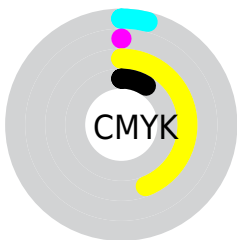
# Distribution



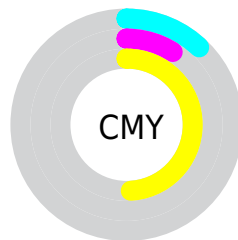
- Red (88%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (55%)



- Cyan (4%)
- Magenta (0%)
- Yellow (44%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 218.5670, 27.6990, -33.9410 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 218.5670, 27.6990, -33.9410 by changing the saturation by 10% instead.



■ 218.5670, 27.6990,  
-33.9410

■ 218.5670, 27.6990,  
-33.9410

■ 255.0000, -0.0000,  
-0.0000

■ 190.4960, 26.4610,  
-33.5310

■ 247.0200, 22.4700,  
-21.7700

■ 162.7240, 25.8190,  
-32.9090

■ 250.2120, 13.4820,  
-13.0620

■ 136.1260, 24.6270,  
-33.3330

■ 253.5180, 4.1730,  
-4.0430

■ 110.0120, 24.9480,  
-33.6440

■ 84.4140, 23.7560,  
-34.0680

■ 62.8510, 15.4560,  
-26.8160

■ 41.8750, 6.8810,

-20.0870

■ 21.1760, -4.0320,  
-15.0400

■ 0.0000, 0.0000,  
0.0000

■ 218.5670, 27.6990,  
-33.9410

■ 218.5670, 27.6990,  
-33.9410

■ 215.3470, 33.8900,  
-41.5180

■ 221.7870, 21.5080,  
-26.3640

■ 212.0130, 40.4020,  
-49.4060


■ 225.1210, 14.9960,  
-18.4760

■ 208.7930, 46.5930,  
-56.9830


■ 228.3410, 8.8050,  
-10.8990

■ 205.5730, 52.7840,  
-64.5600


■ 231.5610, 2.6140,  
-3.3220

 202.3530, 58.9750,  
-72.1370


 234.8950, -3.8980,  
4.5660

 200.4580, 62.8730,  
-76.7030

 236.4050, -5.2740,  
7.4780

 237.0030, -4.0820,  
7.9020

 237.6010, -2.8900,  
8.3260

 238.1990, -1.6980,  
8.7500

# Harmonies

## Analogous

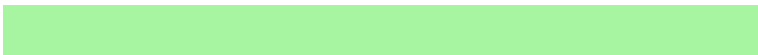
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218.1020, 51.5380, -19.9340



218.5670, 27.6990, -33.9410



211.9880, -19.2030, -42.9710

# Triad

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



218.5670, 27.6990, -33.9410



174.0590, -149.7800, -49.8760



214.4170, 21.9560, 31.6200

# Complementary

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



218.5670, 27.6990, -33.9410



144.4330, -27.6990, 33.9410

# 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.



223.3020, 14.8500, 28.2420



218.5670, 27.6990, -33.9410



201.6880, -78.8110, -19.9550

# Square

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



218.5670, 27.6990, -33.9410



176.9940, -151.1550, -52.4910



219.2170, -19.3040, 8.4400



208.1300, 38.2810, 16.5930



# Rectangle

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



218.5670, 27.6990, -33.9410



204.3010, -56.7530, -45.2730



219.2170, -19.3040, 8.4400



217.4320, 17.6000, 33.4720

# Sweetspot

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



218.5670, 27.6990, -33.9410



250.3410, 8.8050, -10.8990



166.0800, 58.9130, 17.1290



125.0080, 5.5490, -6.9550



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.



218.5670, 27.6990, -33.9410



236.0220, 36.1830, -44.5290



203.3180, -2.6970, -44.7530



115.4470, 2.9350, -3.6330



155.5820, 48.5650, -59.6830



46.3490, 14.3540, -17.8540



# Inverse Universe

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



144.4330, -27.6990, 33.9410



138.9780, -36.1830, 44.5290



159.6820, 2.6970, 44.7530



107.5530, -2.9350, 3.6330



25.4180, -48.5650, 59.6830

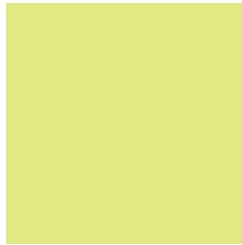


7.6510, -14.3540, 17.8540



# Previews

## White Background



This preview shows how the YIQ color 218.5670, 27.6990, -33.9410 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 218.5670, 27.6990, -33.9410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

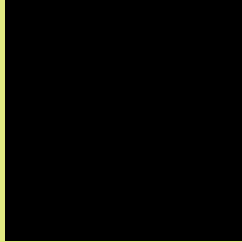
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 218.5670, 27.6990, -33.9410

## Background



This preview shows how black text looks on a background with the YIQ color 218.5670, 27.6990, -33.9410.



This preview shows how white text looks on a background with the YIQ color 218.5670, 27.6990, -33.9410.

-33.9410.

# 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

218.5670, 27.6990, -33.9410

### Protanopia

220.9930, 44.2950, -26.3370

### Deuteranopia

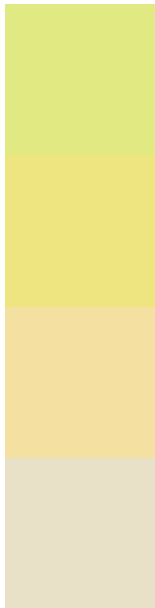
225.2040, 34.2960, -4.8080



## Tritanopia

227.4230, 3.4830, 8.4670

# Trichromacy



## Original Color

218.5670, 27.6990, -33.9410

## Protanomaly

220.4760, 38.3810, -29.2910

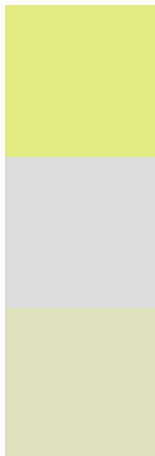
## Deuteranomaly

222.7980, 32.1430, -15.3530

## Tritanomaly

224.1290, 12.5180, -6.6020

# Monochromacy



## Original Color

218.5670, 27.6990, -33.9410

## Achromatopsia

219.0000, 0.0000, -0.0000

## Achromatomaly

218.8850, 10.0890, -12.1430

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 218.5670, 27.6990, -33.9410 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(224, 233, 130)` looks like.

```
.text, #text, p{  
    color:rgb(224, 233, 130)  
}
```

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(224, 233, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 130) }
```

## Border

The CSS property to change the border of an element to YIQ 218.5670, 27.6990, -33.9410 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(224, 233, 130) }
```



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

```
.border{ border-color:rgb(224, 233, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 233, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 130);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
130) }
```

# Background

The CSS property to change the background color of an element to YIQ 218.5670, 27.6990, -33.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 130) }
```

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

```
.background{ background-color: rgb(224,  
233, 130) }
```

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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