

Converting Colors

YIQ(217.8960, 63.1410,
-37.4910)

Have a look what the booklet for
YIQ(217.8960, 63.1410, -37.4910)
contains.

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Color

**YIQ(217.8960, 63.1410,
-37.4910)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE154
RGB	255, 225, 84
RGB Percent	100%, 88%, 33%
CMY	0.0000, 0.1177, 0.6702
CMYK	0.00, 0.12, 0.67, 0.00
HSL	49°, 100%, 66%
HSV	49°, 67%, 100%
XYZ	69.7640, 75.7441, 19.3495
YIQ	217.8960, 63.1410, -37.4910

Conversions

Conversions Part 2

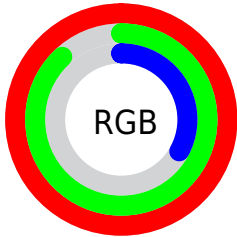
Format	Color
R _Y B	120, 255, 84
Decimal	16769364
CIE Lab	89.74, -4.75, 69.87
CIE LCh	90, 70.029, 93.891
Yxy	75.7441, 0.4232, 0.4595
Android (android.graphics.Color)	4294959444 (0xFFFFE154)
YUV	217.8960, -66.0107, 32.5402
Hunter-Lab	87.0311, -9.2191, 47.7399

Details

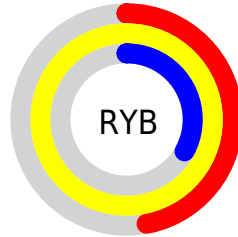
The YIQ color **217.8960, 63.1410, -37.4910** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **121.1040, -63.1410, 37.4910**, and the grayscale version is **218.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **241.8900, 36.9150, -35.7650**, and **160.1470, 63.6920, -41.9720** is the 20% darker color. If you saturate the color by 10%, you get **212.6980, 72.2660, -43.1740**, and if you desaturate by 10%, it is **223.2080, 53.6950, -31.4970**.

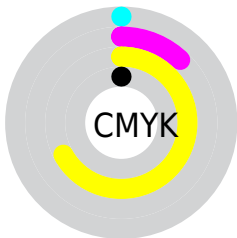
Distribution



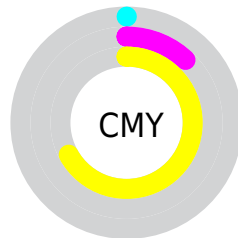
- Red (100%)
- Green (88%)
- Blue (33%)



- Red (47%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (12%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (12%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 217.8960, 63.1410, -37.4910 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 217.8960, 63.1410, -37.4910 by changing the saturation by 10% instead.

217.8960, 63.1410,
-37.4910

217.8960, 63.1410,
-37.4910

255.0000, -0.0000,
-0.0000

189.1840, 62.2700,
-38.2260

241.8900, 36.9150,
-35.7650

160.2610, 63.3710,
-41.6610

245.0820, 27.9270,
-27.0570

133.8630, 58.7400,
-40.3320

248.3880, 18.6180,
-18.0380

109.9300, 48.6060,
-32.8820

251.6940, 9.3090,
-9.0190

87.4700, 38.5180,
-26.2660

65.8960, 28.7510,
-19.9610

44.9090, 18.7090,

-14.1790

■ 25.4060, 10.1800,
-8.2840

■ 0.0000, 0.0000,
0.0000

■ 217.8960, 63.1410,
-37.4910

■ 217.8960, 63.1410,
-37.4910

■ 212.6980, 72.2660,
-43.1740

■ 223.2080, 53.6950,
-31.4970

■ 206.7990, 81.9870,
-48.6450

■ 228.9930, 44.2950,
-26.3370

■ 201.6010, 91.1120,
-54.3280

■ 234.3050, 34.8490,
-20.3430

■ 199.5150, 94.2300,
-55.7700

■ 240.0900, 25.4490,
-15.1830

■ 245.4020, 16.0030,
-9.1890

■ 251.1870, 6.6030,
-4.0290

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



206.0880, 63.3210, -18.7190



217.8960, 63.1410, -37.4910



210.6810, 9.0420, -53.7580

Triad

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



217.8960, 63.1410, -37.4910



178.7550, -151.9800, -54.0600



209.8010, 21.1750, 40.2710

Complementary

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



217.8960, 63.1410, -37.4910



121.1040, -63.1410, 37.4910

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.



220.8770, 5.6810, 23.7050



217.8960, 63.1410, -37.4910



174.6460, -150.0550, -50.3990

Square

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



217.8960, 63.1410, -37.4910



176.2470, -144.9180, -60.9020



196.6710, -80.1410, -17.8770



198.7670, 35.7100, 35.6620

Rectangle

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



217.8960, 63.1410, -37.4910



201.6120, -39.2360, -59.8760



196.6710, -80.1410, -17.8770



214.4970, 18.9750, 36.0870

Sweetspot

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



217.8960, 63.1410, -37.4910



243.9030, 18.8460, -11.1540



138.6630, 91.9650, 45.8930



120.9440, 11.6010, -6.5030



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.



217.8960, 63.1410, -37.4910



210.6120, 75.3840, -44.6160



219.3600, 22.7070, -64.6290



124.7570, 4.9980, -2.4740



149.8550, 70.3860, -42.1420



50.2470, 23.5690, -14.1510

Inverse Universe

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



121.1040, -63.1410, 37.4910



95.3880, -75.3840, 44.6160



119.6400, -22.7070, 64.6290



117.6560, -4.7230, 2.9970



41.7320, -70.6610, 41.6190



13.7530, -23.5690, 14.1510

Previews

White Background



This preview shows how the YIQ color 217.8960, 63.1410, -37.4910 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 217.8960, 63.1410, -37.4910 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 217.8960, 63.1410, -37.4910

Background



This preview shows how black text looks on a background with the YIQ color 217.8960, 63.1410, -37.4910.



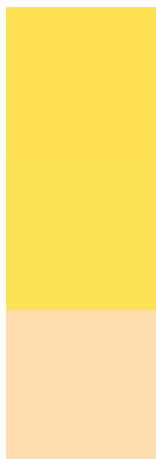
This preview shows how white text looks on a background with the YIQ color 217.8960, 63.1410, -37.4910.

-37.4910.

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

217.8960, 63.1410, -37.4910

Protanopia

217.5860, 61.0780, -38.6500

Deuteranopia

225.2210, 35.6260, -6.8860



Tritanopia

228.3280, 19.9880, 12.2120

Trichromacy



Original Color

217.8960, 63.1410, -37.4910

Protanomaly

217.8850, 61.6740, -38.4380

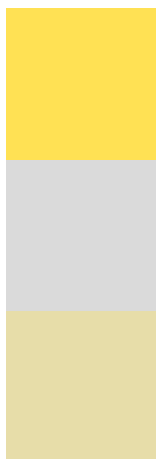
Deuteranomaly

222.6330, 45.6690, -18.1950

Tritanomaly

224.7480, 35.5800, -6.0520

Monochromacy



Original Color

217.8960, 63.1410, -37.4910

Achromatopsia

218.0000, -0.0000, 0.0000

Achromatomaly

218.0620, 22.6520, -14.0520

CSS Examples

Text

The CSS property to change the color of the text to YIQ 217.8960, 63.1410, -37.4910 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, 225, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 84)  
}
```

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, 225, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 84) }
```

Border

The CSS property to change the border of an element to YIQ 217.8960, 63.1410, -37.4910 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, 225, 84) }
```


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

```
.border{ border-color:rgb(255, 225, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
84) }
```

Background

The CSS property to change the background color of an element to YIQ 217.8960, 63.1410, -37.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 84) }
```

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

```
.background{ background-color: rgb(255,  
225, 84) }
```

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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