

# Converting Colors

YIQ(172.9050, 50.8950,  
-13.7850)

Have a look what the booklet for  
YIQ(172.9050, 50.8950, -13.7850)  
contains.

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# Color

**YIQ(172.9050, 50.8950,  
-13.7850)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D5A85D
RGB	213, 168, 93
RGB Percent	84%, 66%, 36%
CMY	0.1646, 0.3412, 0.6350
CMYK	0.00, 0.21, 0.56, 0.16
HSL	37°, 59%, 60%
HSV	37°, 56%, 84%
XYZ	43.4229, 42.9381, 16.3706
YIQ	172.9050, 50.8950, -13.7850

# Conversions

## Conversions Part 2

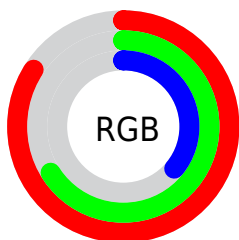
Format	Color
<a href="#">RYB</a>	<a href="#">165, 213, 93</a>
Decimal	<a href="#">14002269</a>
CIELab	<a href="#">71.51, 7.88, 44.54</a>
CIELCh	<a href="#">72, 45.228, 79.966</a>
Yxy	<a href="#">42.9381, 0.4227, 0.4180</a>
Android (android.graphics.Color)	<a href="#">4292192349</a> <a href="#">(0xFFD5A85D)</a>
YUV	<a href="#">172.9050, -39.3932, 35.1633</a>
Hunter-Lab	<a href="#">65.5272, 3.6139, 31.0567</a>

# Details

The YIQ color **172.9050, 50.8950, -13.7850** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **133.0950, -50.8950, 13.7850**, and the grayscale version is **173.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **223.6760, 44.1100, -17.4740**, and **119.3390, 46.6770, -14.4350** is the 20% darker color. If you saturate the color by 10%, you get **165.8150, 59.8360, -16.1320**, and if you desaturate by 10%, it is **179.9950, 41.9540, -11.4380**.

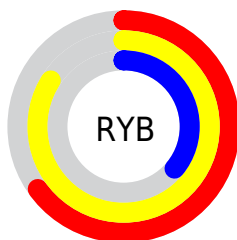
# Distribution



Red (84%)

Green (66%)

Blue (36%)



Red (65%)

Yellow (84%)

Blue (36%)

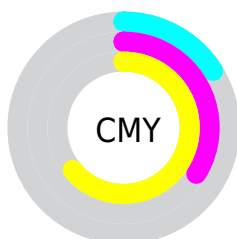


Cyan (0%)

Magenta (21%)

Yellow (56%)

Black (16%)



Cyan (16%)

Magenta (34%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.9050, 50.8950, -13.7850 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 172.9050, 50.8950, -13.7850 by changing the saturation by 10% instead.





 172.9050, 50.8950,  
-13.7850

 172.9050, 50.8950,  
-13.7850


255.0000, -0.0000,  
-0.0000


 146.1220, 48.7860,  
-14.1100


 223.6760, 44.1100,  
-17.4740


 119.3390, 46.6770,  
-14.4350


 243.7770, 27.4680,  
-24.2440


 93.9150, 44.9350,  
-15.9050

 248.7300, 17.6550,  
-17.1050

 69.8160, 40.9000,  
-14.3640


 251.9220, 8.6670,  
-8.3970


 49.1280, 31.4540,  
-8.3700

 29.6140, 21.4580,  
-3.4220


 6.8770, 13.7080,

4.8760


 0.0000, 0.0000,  
0.0000


 172.9050, 50.8950,  
-13.7850


 172.9050, 50.8950,  
-13.7850


 165.8150, 59.8360,  
-16.1320


 179.9950, 41.9540,  
-11.4380


 158.6110, 69.0980,  
-18.7900


 187.1990, 32.6920,  
-8.7800

 151.5210, 78.0390,  
-21.1370

 194.2890, 23.7510,  
-6.4330

 144.4310, 86.9800,  
-23.4840

 201.3790, 14.8100,  
-4.0860

 141.7580, 90.3730,  
-24.4030

 208.5830, 5.5480,  
-1.4280

■ 215.6730, -3.3930,  
0.9190

■ 222.7630,  
-12.3340, 3.2660

■ 228.9410,  
-18.7070, 3.1250

■ 233.6370,  
-20.9070, -1.0590

# Harmonies

## Analogous

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



175.1650, 65.5630, 6.7390



172.9050, 50.8950, -13.7850



168.8040, 22.8380, -28.4420

# Triad

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



172.9050, 50.8950, -13.7850



138.6670, -119.0170, -40.2090



180.1910, 11.0890, 35.8330

# Complementary

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



172.9050, 50.8950, -13.7850



133.0950, -50.8950, 13.7850

# 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.



175.8740, -33.7950, 23.2690



172.9050, 50.8950, -13.7850



140.3090, -129.1520, -27.2320

# Square

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



172.9050, 50.8950, -13.7850



151.7160, -67.9870, -39.9150



160.1010, -86.5630, -0.6030



178.9700, 45.3840, 36.5520



# Rectangle

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



172.9050, 50.8950, -13.7850



165.6530, -1.7820, -33.7980



160.1010, -86.5630, -0.6030



179.4820, -3.0320, 32.9360

# Sweetspot

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



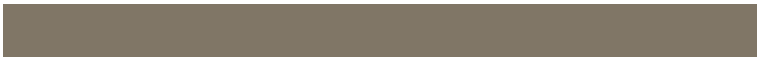
172.9050, 50.8950, -13.7850



240.7060, 18.2030, -5.0050



134.1240, 56.7540, 39.7460



119.1660, 11.0960, -2.8560



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.



172.9050, 50.8950, -13.7850



197.1230, 73.4080, -19.8080



195.1340, 30.1760, -40.2880



103.3980, 4.6310, -1.3290



113.9380, 72.4910, -19.7090



28.7060, 18.2030, -5.0050



# Inverse Universe

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



133.0950, -50.8950, 13.7850



139.8770, -73.4080, 19.8080



110.8660, -30.1760, 40.2880



99.6020, -4.6310, 1.3290



57.0620, -72.4910, 19.7090

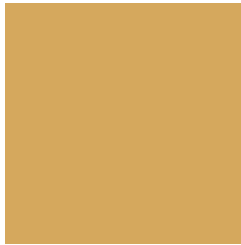


14.2940, -18.2030, 5.0050



# Previews

## White Background



This preview shows how the YIQ color 172.9050, 50.8950, -13.7850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

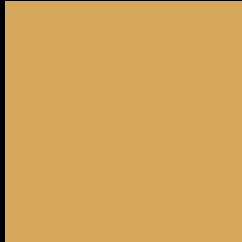
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 172.9050, 50.8950, -13.7850 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 172.9050, 50.8950, -13.7850**

## **Background**



This preview shows how black text looks on a background with the YIQ color 172.9050, 50.8950, -13.7850.



This preview shows how white text looks on a background with the YIQ color 172.9050, 50.8950, -13.7850.



# 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

172.9050, 50.8950, -13.7850

### Protanopia

171.9630, 35.8120, -21.2760

### Deuteranopia

172.9160, 52.3620, -12.8380




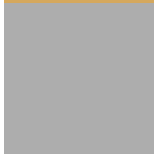
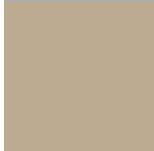
## Tritanopia

178.6070, 32.5040, 16.6640

# Trichromacy

	<b>Original Color</b> 172.9050, 50.8950, -13.7850
	<b>Protanomaly</b> 172.1810, 41.1300, -18.5340
	<b>Deuteranomaly</b> 172.6170, 51.7660, -13.0500
	<b>Tritanomaly</b> 176.2790, 38.8790, 5.7510

# Monochromacy

	<b>Original Color</b> 172.9050, 50.8950, -13.7850
	<b>Achromatopsia</b> 173.0000, -0.0000, 0.0000
	<b>Achromatomaly</b> 173.0050, 18.7990, -4.7930

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.9050, 50.8950, -13.7850 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(213, 168, 93)` looks like.

```
.text, #text, p{  
    color:rgb(213, 168, 93)  
}
```

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(213, 168, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 168, 93) }
```

## Border

The CSS property to change the border of an element to YIQ 172.9050, 50.8950, -13.7850 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(213, 168, 93) }
```



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

```
.border{ border-color:rgb(213, 168, 93) }
```

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

Here you see how a box with a 4 pixel rgb(213, 168, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 168, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 168, 93);  
box-shadow:4px 4px 4px 4px rgb(213, 168,  
93) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.9050, 50.8950, -13.7850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 168, 93) }
```

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

```
.background{ background-color: rgb(213,  
168, 93) }
```

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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