

# Converting Colors

YIQ(172.0940, 72.3520,  
-11.6800)

Have a look what the booklet for  
YIQ(172.0940, 72.3520, -11.6800)  
contains.

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# Color

**YIQ(172.0940, 72.3520,  
-11.6800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAA048
RGB	234, 160, 72
RGB Percent	92%, 63%, 28%
CMY	0.0822, 0.3726, 0.7173
CMYK	0.00, 0.32, 0.69, 0.08
HSL	33°, 79%, 60%
HSV	33°, 69%, 92%
XYZ	47.6799, 43.0975, 11.9520
YIQ	172.0940, 72.3520, -11.6800

# Conversions

## Conversions Part 2

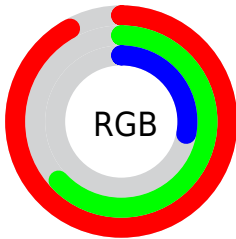
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 234, 72
Decimal	15376456
CIE Lab	71.62, 19.61, 55.31
CIE LCh	72, 58.682, 70.480
Yxy	43.0975, 0.4641, 0.4195
Android (android.graphics.Color)	4293566536 (0xFFEAA048)
YUV	172.0940, -49.3463, 54.2916
Hunter-Lab	65.6487, 14.7573, 35.1597

# Details

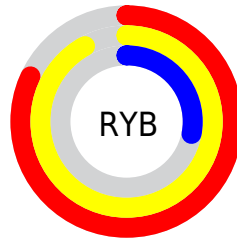
The YIQ color **172.0940, 72.3520, -11.6800** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **133.9060, -72.3520, 11.6800**, and the grayscale version is **173.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **216.5860, 53.0510, -19.8210**, and **117.2460, 68.8680, -14.6200** is the 20% darker color. If you saturate the color by 10%, you get **163.0150, 82.7600, -13.0800**, and if you desaturate by 10%, it is **181.1730, 61.9440, -10.2800**.

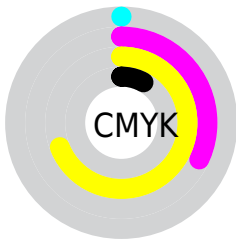
# Distribution



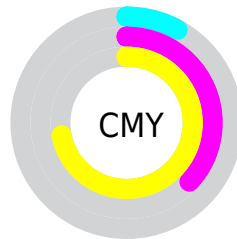
- Red (92%)
- Green (63%)
- Blue (28%)



- Red (82%)
- Yellow (92%)
- Blue (28%)



- Cyan (0%)
- Magenta (32%)
- Yellow (69%)
- Black (8%)



- Cyan (8%)
- Magenta (37%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 172.0940, 72.3520, -11.6800 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 172.0940, 72.3520, -11.6800 by changing the saturation by 10% instead.



172.0940, 72.3520,  
-11.6800

172.0940, 72.3520,  
-11.6800

255.0000, -0.0000,  
-0.0000

144.8980, 69.9680,  
-12.5280

216.5860, 53.0510,  
-19.8210

117.3600, 68.5470,  
-14.3090

236.1000, 36.6840,  
-26.0680

92.3640, 62.7240,  
-13.4040

246.3360, 24.3960,  
-23.6360

70.4910, 52.3610,  
-7.3110

249.5280, 15.4080,  
-14.9280

48.3190, 41.4020,  
-1.4300

252.8340, 6.0990,  
-5.9090

27.9190, 31.0850,  
3.8290

11.0630, 22.0520,

7.8440

■ 0.0000, 0.0000,  
0.0000

■ 172.0940, 72.3520,  
-11.6800

■ 172.0940, 72.3520,  
-11.6800

■ 163.0150, 82.7600,  
-13.0800

■ 181.1730, 61.9440,  
-10.2800

■ 154.4090, 93.2140,  
-15.3140

■ 189.7790, 51.4900,  
-8.0460

■ 145.3300,  
103.6220, -16.7140

■ 198.8580, 41.0820,  
-6.6460

■ 144.5150,  
104.5390, -16.8130

■ 208.0510, 30.3530,  
-4.9350

■ 216.5430, 20.2200,  
-3.0120

■ 225.7360, 9.4910,  
-1.3010

■ 234.8150, -0.9170,  
0.0990

■ 243.4380,  
-10.0410, 0.2550

■ 248.7210,  
-12.5160, -4.4520

# Harmonies

## Analogous

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



170.7370, 78.8120, 14.4280



172.0940, 72.3520, -11.6800



168.4670, 42.6000, -34.1680

# Triad

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



172.0940, 72.3520, -11.6800



140.5760, -117.5030, -45.6230



180.1650, -3.2170, 41.7990

# Complementary

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



172.0940, 72.3520, -11.6800



133.9060, -72.3520, 11.6800

# 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.



165.2830, -63.2280, 11.5240



172.0940, 72.3520, -11.6800



145.2160, -133.3240, -28.7160

# Square

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



172.0940, 72.3520, -11.6800



140.0090, -85.5900, -56.8060



141.1870, -134.3800, -20.5880



179.0710, 47.0780, 49.9100



# Rectangle

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



172.0940, 72.3520, -11.6800



164.0980, 12.6620, -42.2660



141.1870, -134.3800, -20.5880



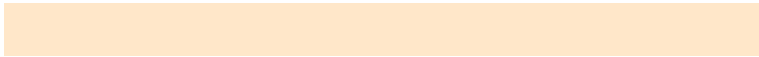
176.7990, -20.0420, 32.8380

# Sweetspot

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



172.0940, 72.3520, -11.6800



234.7560, 23.9340, -4.2420



129.1020, 72.1560, 57.9800



115.5470, 14.3970, -2.1070



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.



172.0940, 72.3520, -11.6800



173.8930, 94.7270, -15.2010



214.0370, 49.0220, -51.4420



112.8110, 4.9060, -0.8060



111.6450, 80.9260, -12.8820



33.1690, 24.2090, -3.7190



# Inverse Universe

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



133.9060, -72.3520, 11.6800



124.1070, -94.7270, 15.2010



91.9630, -49.0220, 51.4420



110.1890, -4.9060, 0.8060



69.3550, -80.9260, 12.8820



20.2440, -23.9340, 4.2420



# Previews

## White Background



This preview shows how the YIQ color 172.0940, 72.3520, -11.6800 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 172.0940, 72.3520, -11.6800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

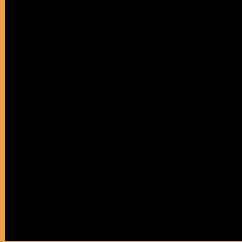
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 172.0940, 72.3520, -11.6800

## Background



This preview shows how black text looks on a background with the YIQ color 172.0940, 72.3520, -11.6800.



This preview shows how white text looks on a background with the YIQ color 172.0940, 72.3520, -11.6800.

-11.6800.

# 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

172.0940, 72.3520, -11.6800

### Protanopia

170.3950, 43.1030, -26.7610

### Deuteranopia

171.4900, 62.1290, -19.1430



## Tritanopia

178.2780, 49.7880, 22.8120

# Trichromacy



## Original Color

172.0940, 72.3520, -11.6800

## Protanomaly

170.8310, 53.7390, -21.2770

## Deuteranomaly

171.3380, 65.6130, -16.2030

## Tritanomaly

176.2660, 58.0890, 10.0330

# Monochromacy



## Original Color

172.0940, 72.3520, -11.6800

## Achromatopsia

172.0000, -0.0000, -0.0000

## Achromatomaly

172.4250, 26.3640, -4.2280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 172.0940, 72.3520, -11.6800 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(234, 160, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 160, 72)  
}
```

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(234, 160, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 160, 72) }
```

## Border

The CSS property to change the border of an element to YIQ 172.0940, 72.3520, -11.6800 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(234, 160, 72) }
```



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

```
.border{ border-color:rgb(234, 160, 72) }
```

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

Here you see how a box with a 4 pixel rgb(234, 160, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 160, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 160, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 160,  
72) }
```

# Background

The CSS property to change the background color of an element to YIQ 172.0940, 72.3520, -11.6800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 160, 72) }
```

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

```
.background{ background-color: rgb(234,  
160, 72) }
```

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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