

# Converting Colors

YIQ(186.6990, 54.4710,  
-12.5130)

Have a look what the booklet for  
YIQ(186.6990, 54.4710, -12.5130)  
contains.

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# Color

**YIQ(186.6990, 54.4710,  
-12.5130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7B469
RGB	231, 180, 105
RGB Percent	91%, 71%, 41%
CMY	0.0940, 0.2942, 0.5880
CMYK	0.00, 0.22, 0.55, 0.09
HSL	36°, 72%, 66%
HSV	36°, 55%, 91%
XYZ	51.8314, 50.6472, 20.4275
YIQ	186.6990, 54.4710, -12.5130

# Conversions

## Conversions Part 2

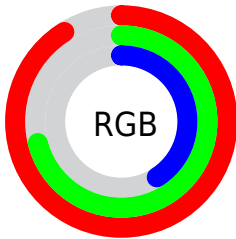
Format	Color
<b>R<sub>YB</sub></b>	191, 231, 105
Decimal	15185001
CIE Lab	76.46, 9.94, 44.93
CIE LCh	76, 46.015, 77.523
Yxy	50.6472, 0.4217, 0.4121
Android (android.graphics.Color)	4293375081 (0xFFE7B469)
YUV	186.6990, -40.2776, 38.8520
Hunter-Lab	71.1669, 5.4610, 32.7984

# Details

The YIQ color  $186.6990, 54.4710, -12.5130$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . A complement of this color would be  $149.3010, -54.4710, 12.5130$ , and the grayscale version is  $187.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $232.7890, 36.3620, -20.2300$ , and  $132.5460, 50.5280, -12.6400$  is the 20% darker color. If you saturate the color by 10%, you get  $178.7940, 64.3290, -14.9590$ , and if you desaturate by 10%, it is  $194.6040, 44.6130, -10.0670$ .

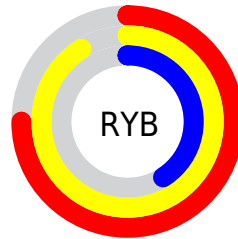
# Distribution



Red (91%)

Green (71%)

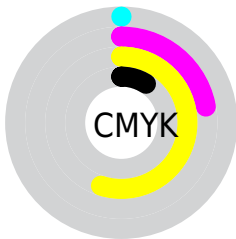
Blue (41%)



Red (75%)

Yellow (91%)

Blue (41%)

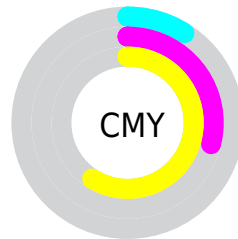


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (9%)



Cyan (9%)

Magenta (29%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 186.6990, 54.4710, -12.5130 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 186.6990, 54.4710, -12.5130 by changing the saturation by 10% instead.





 186.6990, 54.4710,  
-12.5130


 186.6990, 54.4710,  
-12.5130

255.0000, -0.0000,  
-0.0000


 159.3290, 52.6370,  
-12.3150

 232.7890, 36.3620,  
-20.2300


 132.5460, 50.5280,  
-12.6400


 247.0200, 22.4700,  
-21.7700


 106.3500, 48.1440,  
-13.4880

 250.2120, 13.4820,  
-13.0620

 80.5840, 47.3650,  
-15.8910

 253.5180, 4.1730,  
-4.0430

 59.7820, 38.2400,  
-10.2080

 38.7950, 28.1980,  
-4.4260

 19.5800, 18.7980,

0.7340

■ 0.0000, 0.0000,  
0.0000

■ 186.6990, 54.4710,  
-12.5130

■ 186.6990, 54.4710,  
-12.5130

■ 178.7940, 64.3290,  
-14.9590

■ 194.6040, 44.6130,  
-10.0670

■ 170.3020, 74.4620,  
-16.8820

■ 203.0960, 34.4800,  
-8.1440

■ 162.3970, 84.3200,  
-19.3280

■ 211.0010, 24.6220,  
-5.6980

■ 154.4920, 94.1780,  
-21.7740

■ 218.9060, 14.7640,  
-3.2520

■ 149.4880,  
100.0010, -22.6790

■ 227.5120, 4.3100,  
-1.0180

■ 235.4170, -5.5480,  
1.4280

■ 242.5410,  
-11.8290, -0.3810

■ 247.8240,  
-14.3040, -5.0880

# Harmonies

## Analogous

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



187.6920, 65.5170, 7.5730



186.6990, 54.4710, -12.5130



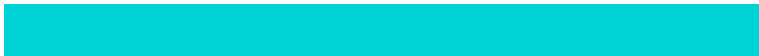
183.0710, 26.4600, -28.0040

# Triad

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



186.6990, 54.4710, -12.5130



148.1390, -126.3980, -44.1100



193.6360, 8.3380, 36.1300

# Complementary

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



186.6990, 54.4710, -12.5130



149.3010, -54.4710, 12.5130

# 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.



186.7120, -33.5190, 18.2650



186.6990, 54.4710, -12.5130



150.0090, -137.1750, -30.5110

# Square

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



186.6990, 54.4710, -12.5130



167.0540, -63.1270, -39.8870



170.4120, -86.2410, -6.4410



192.1160, 42.0370, 36.6370



# Rectangle

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



186.6990, 54.4710, -12.5130



179.0940, 1.2900, -34.4060



170.4120, -86.2410, -6.4410



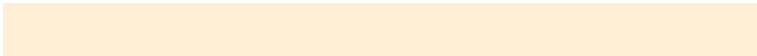
193.1010, -6.3330, 32.1870

# Sweetspot

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



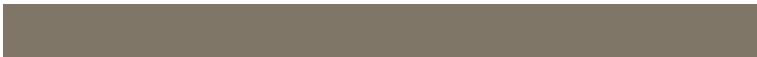
186.6990, 54.4710, -12.5130



240.3470, 17.8360, -3.8600



148.7160, 58.0830, 43.1950



119.2800, 10.7750, -2.5450



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.



186.6990, 54.4710, -12.5130



196.7470, 71.7110, -16.5850



213.6460, 34.4860, -41.3060



110.6970, 5.2270, -1.1170



115.7430, 77.5340, -17.4900



32.8590, 22.1460, -4.8780



# Inverse Universe

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



149.3010, -54.4710, 12.5130



147.2530, -71.7110, 16.5850



122.6530, -33.8900, 41.5180



107.3030, -5.2270, 1.1170



62.6700, -77.2590, 18.0130



18.1410, -22.1460, 4.8780



# Previews

## White Background



This preview shows how the YIQ color 186.6990, 54.4710, -12.5130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

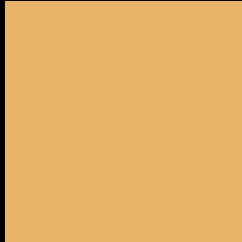
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 186.6990, 54.4710, -12.5130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

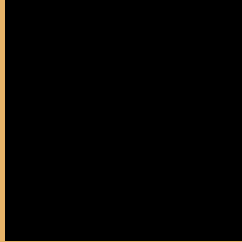
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 186.6990, 54.4710, -12.5130

## Background



This preview shows how black text looks on a background with the YIQ color 186.6990, 54.4710, -12.5130.



This preview shows how white text looks on a background with the YIQ color 186.6990, 54.4710, -12.5130.

-12.5130.

# 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

186.6990, 54.4710, -12.5130

### Protanopia

185.1480, 36.7290, -21.3750

### Deuteranopia

186.6990, 54.4710, -12.5130



## Tritanopia

192.5150, 35.7590, 18.2470

# Trichromacy



## Original Color

186.6990, 54.4710, -12.5130

## Protanomaly

185.9640, 43.2390, -18.2090

## Deuteranomaly

186.6990, 54.4710, -12.5130

## Tritanomaly

190.0730, 42.4550, 7.0230

# Monochromacy



## Original Color

186.6990, 54.4710, -12.5130

## Achromatopsia

187.0000, -0.0000, -0.0000

## Achromatomaly

186.6030, 19.9910, -4.3690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 186.6990, 54.4710, -12.5130 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(231, 180, 105)` looks like.

```
.text, #text, p{  
    color:rgb(231, 180, 105)  
}
```

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(231, 180, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 180, 105) }
```

## Border

The CSS property to change the border of an element to YIQ 186.6990, 54.4710, -12.5130 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(231, 180, 105) }
```



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

```
.border{ border-color:rgb(231, 180, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 180, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 180, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 180, 105);  
box-shadow:4px 4px 4px 4px rgb(231, 180,  
105) }
```

# Background

The CSS property to change the background color of an element to YIQ 186.6990, 54.4710, -12.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 180, 105) }
```

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

```
.background{ background-color: rgb(231,  
180, 105) }
```

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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