

# Converting Colors

YIQ(178.7710, 27.6050,  
-21.2190)

Have a look what the booklet for  
YIQ(178.7710, 27.6050, -21.2190)  
contains.

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# Color

**YIQ(178.7710, 27.6050,  
-21.2190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0B970
RGB	192, 185, 112
RGB Percent	75%, 73%, 44%
CMY	0.2471, 0.2745, 0.5606
CMYK	0.00, 0.04, 0.42, 0.25
HSL	55°, 39%, 60%
HSV	55°, 42%, 75%
XYZ	42.0117, 47.0729, 22.2133
YIQ	178.7710, 27.6050, -21.2190

# Conversions

## Conversions Part 2

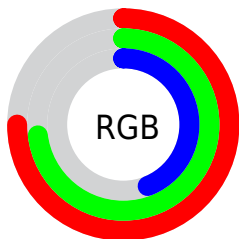
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 192, 112
Decimal	12630384
CIELab	74.24, -8.08, 37.84
CIELCh	74, 38.695, 102.048
Yxy	47.0729, 0.3775, 0.4229
Android (android.graphics.Color)	4290820464 (0xFFC0B970)
YUV	178.7710, -32.9181, 11.6018
Hunter-Lab	68.6097, -10.7664, 28.8308

# Details

The YIQ color  $178.7710, 27.6050, -21.2190$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $125.2290, -27.6050, 21.2190$ , and the grayscale version is  $179.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $235.0270, 29.7600, -21.7280$ , and  $125.5150, 25.4500, -20.7100$  is the 20% darker color. If you saturate the color by 10%, you get  $175.4310, 34.2540, -26.0820$ , and if you desaturate by 10%, it is  $182.1110, 20.9560, -16.3560$ .

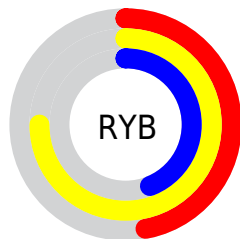
# Distribution



Red (75%)

Green (73%)

Blue (44%)



Red (47%)

Yellow (75%)

Blue (44%)

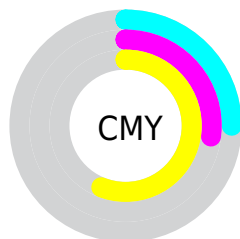


Cyan (0%)

Magenta (4%)

Yellow (42%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.7710, 27.6050, -21.2190 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 178.7710, 27.6050, -21.2190 by changing the saturation by 10% instead.



■ 178.7710, 27.6050,  
-21.2190

■ 178.7710, 27.6050,  
-21.2190

■ 255.0000, -0.0000,  
-0.0000

■ 151.7000, 26.3670,  
-20.8090

■ 235.0270, 29.7600,  
-21.7280

■ 125.5150, 25.4500,  
-20.7100

■ 247.8180, 20.2230,  
-19.5930

■ 100.3300, 24.5330,  
-20.6110

■ 251.0100, 11.2350,  
-10.8850

■ 75.6180, 23.6620,  
-21.3460

■ 254.3160, 1.9260,  
-1.8660

■ 53.1600, 19.2600,  
-18.6600

■ 33.0700, 11.0060,  
-12.2420

■ 12.0500, -3.4370,

-9.3010

■ 0.0000, 0.0000,  
0.0000

■ 178.7710, 27.6050,  
-21.2190

■ 178.7710, 27.6050,  
-21.2190

■ 175.4310, 34.2540,  
-26.0820

■ 182.1110, 20.9560,  
-16.3560

■ 172.6780, 40.6280,  
-31.4680

■ 184.8640, 14.5820,  
-10.9700

■ 169.2240, 47.5980,  
-36.6420

■ 188.3180, 7.6120,  
-5.7960

■ 165.8840, 54.2470,  
-41.5050

■ 191.6580, 0.9630,  
-0.9330

■ 163.1310, 60.6210,  
-46.8910

■ 194.4110, -5.4110,  
4.4530

■ 160.1330, 66.3070,  
-50.8210

■ 197.7510,  
-12.0600, 9.3160

■ 201.0910,  
-18.7090, 14.1790

■ 202.7040,  
-21.8730, 16.4550

■ 203.8780,  
-22.4230, 15.4090

# Harmonies

## Analogous

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



181.9360, 49.6100, -7.0140



178.7710, 27.6050, -21.2190



174.3310, -3.5710, -28.9070

# Triad

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



178.7710, 27.6050, -21.2190



155.1780, -103.7980, -24.1660



187.5770, 33.1890, 31.7890

# Complementary

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



178.7710, 27.6050, -21.2190



125.2290, -27.6050, 21.2190

# 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.



186.8150, 0.2240, 28.9920



178.7710, 27.6050, -21.2190



169.4950, -76.1090, -2.8370

# Square

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



178.7710, 27.6050, -21.2190



158.8580, -82.7060, -31.9700



181.3200, -38.2870, 16.5690



185.5990, 53.3180, 24.9180



# Rectangle

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



178.7710, 27.6050, -21.2190



170.7610, -28.3290, -31.7610



181.3200, -38.2870, 16.5690



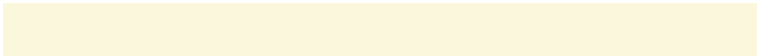
187.6020, 22.8730, 31.5210

# Sweetspot

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



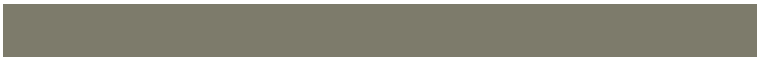
178.7710, 27.6050, -21.2190



244.8190, 10.4550, -7.7610



136.8320, 45.1120, 19.4480



121.7740, 6.3280, -4.5520



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



178.7710, 27.6050, -21.2190



229.2930, 43.1500, -33.1220



173.3120, 6.6080, -31.6640



95.2730, 3.4850, -2.5870



134.4280, 55.5310, -42.7490



27.4770, 11.4180, -8.6940



# Inverse Universe

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



125.2290, -27.6050, 21.2190



145.7070, -43.1500, 33.1220



130.6880, -6.6080, 31.6640



88.7270, -3.4850, 2.5870



26.5720, -55.5310, 42.7490



5.5230, -11.4180, 8.6940



# Previews

## White Background



This preview shows how the YIQ color 178.7710, 27.6050, -21.2190 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 178.7710, 27.6050, -21.2190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

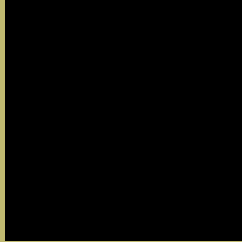
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 178.7710, 27.6050, -21.2190

## Background



This preview shows how black text looks on a background with the YIQ color 178.7710, 27.6050, -21.2190.



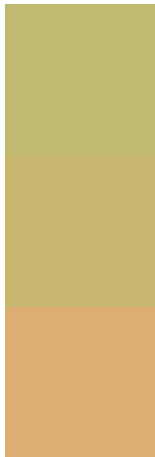
This preview shows how white text looks on a background with the YIQ color 178.7710, 27.6050, -21.2190.

-21.2190.

# 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

178.7710, 27.6050, -21.2190

### Protanopia

179.5760, 32.6480, -19.0000

### Deuteranopia

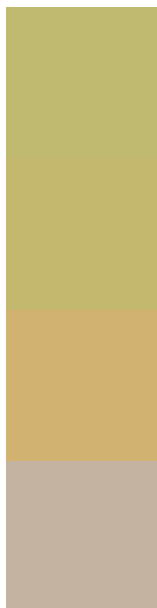
180.9140, 46.6760, -8.9080



## Tritanopia

184.6580, 10.1310, 9.1310

# Trichromacy



## Original Color

178.7710, 27.6050, -21.2190

## Protanomaly

179.2660, 30.5850, -20.1590

## Deuteranomaly

180.1580, 39.9370, -13.4310

## Tritanomaly

182.3300, 16.5060, -1.7820

# Monochromacy



## Original Color

178.7710, 27.6050, -21.2190

## Achromatopsia

179.0000, -0.0000, -0.0000

## Achromatomaly

178.9330, 10.1340, -7.4500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.7710, 27.6050, -21.2190 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(192, 185, 112)` looks like.

```
.text, #text, p{  
    color:rgb(192, 185, 112)  
}
```

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(192, 185, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 185, 112) }
```

## Border

The CSS property to change the border of an element to YIQ 178.7710, 27.6050, -21.2190 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(192, 185, 112) }
```



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

```
.border{ border-color:rgb(192, 185, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 185, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 185, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 185, 112);  
box-shadow:4px 4px 4px 4px rgb(192, 185,  
112) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.7710, 27.6050, -21.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 185, 112) }
```

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

```
.background{ background-color: rgb(192,  
185, 112) }
```

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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