

# Converting Colors

YIQ(178.5710, 13.8490,  
-14.2070)

Have a look what the booklet for  
YIQ(178.5710, 13.8490, -14.2070)  
contains.

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# Color

**YIQ(178.5710, 13.8490,  
-14.2070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>B7B88B</b>
RGB	183, 184, 139
RGB Percent	72%, 72%, 55%
CMY	0.2824, 0.2784, 0.4548
CMYK	0.01, 0.00, 0.24, 0.28
HSL	61°, 24%, 63%
HSV	61°, 24%, 72%
XYZ	41.3290, 46.2122, 31.1764
YIQ	178.5710, 13.8490, -14.2070

# Conversions

## Conversions Part 2

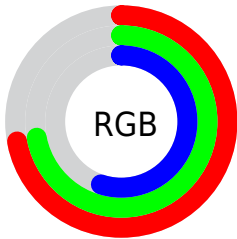
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 184, 140
Decimal	12040331
CIE Lab	73.68, -7.77, 22.80
CIE LCh	74, 24.091, 108.805
Yxy	46.2122, 0.3481, 0.3893
Android (android.graphics.Color)	4290230411 (0xFFB7B88B)
YUV	178.5710, -19.5085, 3.8842
Hunter-Lab	67.9795, -10.4429, 20.3944

# Details

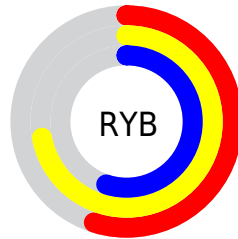
The YIQ color  $178.5710, 13.8490, -14.2070$  is a light color, and the websafe version is hex  $CCCC99$ . A complement of this color would be  $144.4290, -13.8490, 14.2070$ , and the grayscale version is  $179.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $234.3430, 14.4910, -14.8290$ , and  $125.9130, 12.8860, -13.2740$  is the 20% darker color. If you saturate the color by 10%, you get  $176.5190, 19.6270, -19.8050$ , and if you desaturate by 10%, it is  $180.6230, 8.0710, -8.6090$ .

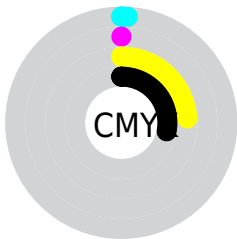
# Distribution



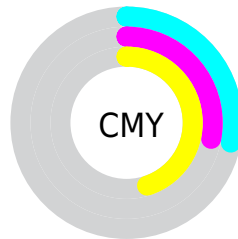
- Red (72%)
- Green (72%)
- Blue (55%)



- Red (55%)
- Yellow (72%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (24%)
- Black (28%)



- Cyan (28%)
- Magenta (28%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.5710, 13.8490, -14.2070 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 178.5710, 13.8490, -14.2070 by changing the saturation by 10% instead.



■ 178.5710, 13.8490,  
-14.2070

■ 178.5710, 13.8490,  
-14.2070

255.0000, -0.0000,  
-0.0000

■ 151.6850, 13.5280,  
-13.8960

■ 234.3430, 14.4910,  
-14.8290

■ 125.9130, 12.8860,  
-13.2740

■ 251.1240, 10.9140,  
-10.5740

■ 100.7280, 11.9690,  
-13.1750

■ 254.3160, 1.9260,  
-1.8660

■ 76.5430, 11.0520,  
-13.0760

■ 53.7710, 10.4100,  
-12.4540

■ 32.1840, 10.6850,  
-11.9310

■ 9.9790, -4.6750,

-8.8910

■ 0.0000, 0.0000,  
0.0000

■ 178.5710, 13.8490,  
-14.2070

■ 178.5710, 13.8490,  
-14.2070

■ 176.5190, 19.6270,  
-19.8050

■ 180.6230, 8.0710,  
-8.6090

■ 174.0540, 25.1300,  
-25.9260

■ 183.0880, 2.5680,  
-2.4880

■ 172.0020, 30.9080,  
-31.5240

■ 185.1400, -3.2100,  
3.1100

■ 169.5370, 36.4110,  
-37.6450

■ 187.6050, -8.7130,  
9.2310

■ 167.4850, 42.1890,  
-43.2430

■ 189.6570,  
-14.4910, 14.8290

■ 165.4330, 47.9670,  
-48.8410

■ 191.7090,  
-20.2690, 20.4270

■ 162.9680, 53.4700,  
-54.9620

■ 192.6920,  
-21.5990, 22.5050

■ 161.8280, 56.6800,  
-58.0720

■ 192.9910,  
-21.0030, 22.7170

# Harmonies

## Analogous

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



180.9260, 29.2070, -6.1930



178.5710, 13.8490, -14.2070



175.9860, -6.5530, -18.9130

# Triad

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



178.5710, 13.8490, -14.2070



172.9910, -48.5070, -7.4750



184.8820, 24.4800, 18.9120

# Complementary

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



178.5710, 13.8490, -14.2070



144.4290, -13.8490, 14.2070

# 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.



184.4160, 5.3610, 18.4890



178.5710, 13.8490, -14.2070



177.7740, -37.2300, 2.9140

# Square

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



178.5710, 13.8490, -14.2070



171.5750, -44.7000, -15.9000



181.9340, -16.8290, 13.1470



184.4670, 35.7140, 13.5540



# Rectangle

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



178.5710, 13.8490, -14.2070



173.5590, -21.4080, -19.5200



181.9340, -16.8290, 13.1470



184.8860, 18.6570, 19.8170

# Sweetspot

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



178.5710, 13.8490, -14.2070



237.7630, 4.8610, -5.4990



153.0420, 26.5450, 9.0170



118.8600, 3.2100, -3.1100



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



178.5710, 13.8490, -14.2070



231.4220, 21.2780, -22.1940



171.9930, 0.7370, -18.8710



90.9740, 2.8890, -2.7990



137.0200, 47.6920, -49.3640



24.5090, 8.3920, -8.9200



# Inverse Universe

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



144.4290, -13.8490, 14.2070



178.5780, -21.2780, 22.1940



151.0070, -0.7370, 18.8710



84.0260, -2.8890, 2.7990



18.9800, -47.6920, 49.3640



3.4910, -8.3920, 8.9200



# Previews

## White Background



This preview shows how the YIQ color 178.5710, 13.8490, -14.2070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

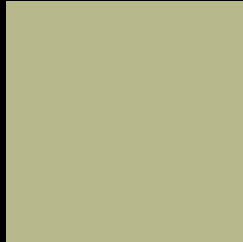
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.5710, 13.8490, -14.2070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

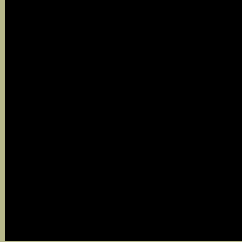
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

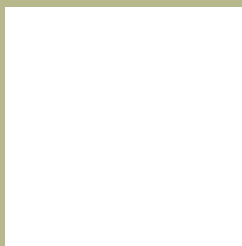
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 178.5710, 13.8490, -14.2070

## Background



This preview shows how black text looks on a background with the YIQ color 178.5710, 13.8490, -14.2070.



This preview shows how white text looks on a background with the YIQ color 178.5710, 13.8490, -14.2070.

-14.2070.

# 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

178.5710, 13.8490, -14.2070

### Protanopia

179.6860, 20.9550, -10.8290

### Deuteranopia

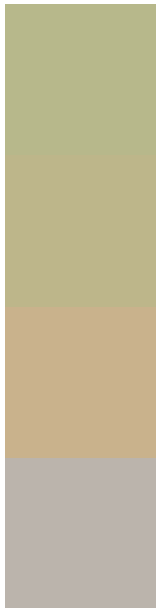
181.6000, 33.2410, -2.2070



## Tritanopia

182.4830, 3.2540, 7.1100

# Trichromacy



## Original Color

178.5710, 13.8490, -14.2070

## Protanomaly

179.0770, 18.2960, -12.2000

## Deuteranomaly

180.5450, 25.9060, -6.9420

## Tritanomaly

181.1810, 6.7400, -1.0040

# Monochromacy



## Original Color

178.5710, 13.8490, -14.2070

## Achromatopsia

179.0000, -0.0000, -0.0000

## Achromatomaly

178.7630, 4.8610, -5.4990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.5710, 13.8490, -14.2070 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(183, 184, 139)` looks like.

```
.text, #text, p{  
    color:rgb(183, 184, 139)  
}
```

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(183, 184, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 184, 139) }
```

## Border

The CSS property to change the border of an element to YIQ 178.5710, 13.8490, -14.2070 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(183, 184, 139) }
```



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

```
.border{ border-color:rgb(183, 184, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 184, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 184, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 184, 139);  
box-shadow:4px 4px 4px 4px rgb(183, 184,  
139) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.5710, 13.8490, -14.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 184, 139) }
```

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

```
.background{ background-color: rgb(183,  
184, 139) }
```

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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