

# Converting Colors

YIQ(178.4280, -13.2490,  
-7.6890)

Have a look what the booklet for  
YIQ(178.4280, -13.2490, -7.6890)  
contains.

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# Color

**YIQ(178.4280, -13.2490,  
-7.6890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1BBB4
RGB	161, 187, 180
RGB Percent	63%, 73%, 71%
CMY	0.3687, 0.2666, 0.2942
CMYK	0.14, 0.00, 0.04, 0.27
HSL	164°, 16%, 68%
HSV	164°, 14%, 73%
XYZ	40.7042, 46.4154, 49.9873
YIQ	178.4280, -13.2490, -7.6890

# Conversions

## Conversions Part 2

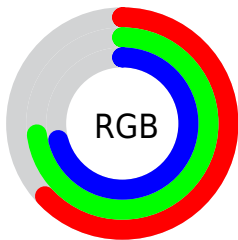
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 176, 187
Decimal	10599348
CIELab	73.81, -10.25, 0.56
CIElCh	74, 10.266, 176.845
Yxy	46.4154, 0.2969, 0.3385
Android (android.graphics.Color)	4288789428 (0xFFA1BBB4)
YUV	178.4280, 0.7750, -15.2844
Hunter-Lab	68.1288, -12.5791, 4.1881

# Details

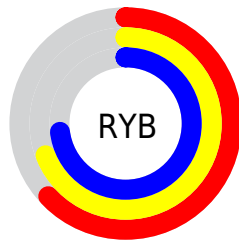
The YIQ color  $178.4280, -13.2490, -7.6890$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $169.5720, 13.2490, 7.6890$ , and the grayscale version is  $178.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $234.1290, -13.8450, -7.9010$ , and  $125.7270, -12.6530, -7.4770$  is the 20% darker color. If you saturate the color by 10%, you get  $172.1770, -22.9680, -13.2720$ , and if you desaturate by 10%, it is  $184.6790, -3.5300, -2.1060$ .

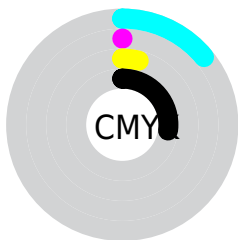
# Distribution



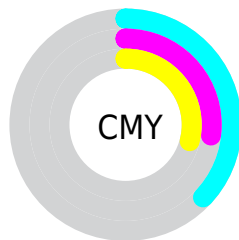
- Red (63%)
- Green (73%)
- Blue (71%)



- Red (63%)
- Yellow (69%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)



- Cyan (37%)
- Magenta (27%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 178.4280, -13.2490, -7.6890 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 178.4280, -13.2490, -7.6890 by changing the saturation by 10% instead.



■ 178.4280,  
-13.2490, -7.6890

■ 178.4280,  
-13.2490, -7.6890

■ 255.0000, -0.0000,  
-0.0000

■ 151.7270,  
-12.6530, -7.4770

■ 234.1290,  
-13.8450, -7.9010

■ 125.7270,  
-12.6530, -7.4770

■ 251.7110, -6.5560,  
-2.3320

■ 101.0260,  
-12.0570, -7.2650

■ 76.4390, -11.7820,  
-6.7420

■ 53.8520, -11.5070,  
-6.2190

■ 31.8520, -11.5070,  
-6.2190

■ 12.5210, -9.0770,

-6.2050

■ 0.0000, 0.0000,  
0.0000

■ 178.4280,  
-13.2490, -7.6890

■ 178.4280,  
-13.2490, -7.6890

■ 172.1770,  
-22.9680, -13.2720

■ 184.6790, -3.5300,  
-2.1060

■ 166.2250,  
-32.0910, -18.6430

■ 190.6310, 5.5930,  
3.2650

■ 159.9740,  
-41.8100, -24.2260

■ 196.8820, 15.3120,  
8.8480

■ 153.7230,  
-51.5290, -29.8090

■ 203.1330, 25.0310,  
14.4310

■ 147.4720,  
-61.2480, -35.3920

■ 209.0850, 34.1540,  
19.8020

■ 141.5200,  
-70.3710, -40.7630

■ 209.9540, 33.1450,  
21.5690

■ 135.2690,  
-80.0900, -46.3460

■ 210.5240, 31.5400,  
23.1240

■ 129.0180,  
-89.8090, -51.9290

■ 211.0940, 29.9350,  
24.6790

■ 125.3870,  
-95.4020, -55.1940

■ 211.6640, 28.3300,  
26.2340

# Harmonies

## Analogous

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



179.2070, -5.3170, -8.2690



178.4280, -13.2490, -7.6890



178.5570, -17.9260, -5.5260

# Triad

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



178.4280, -13.2490, -7.6890



182.0630, -4.3110, 6.5450



182.0250, 16.0470, 1.0310

# Complementary

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



178.4280, -13.2490, -7.6890



169.5720, 13.2490, 7.6890

# 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.



182.8450, 16.7340, 5.1020



178.4280, -13.2490, -7.6890



183.4940, 4.7210, 8.0570

# Square

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



178.4280, -13.2490, -7.6890



180.4640, -12.9300, 3.0540



183.3870, 12.3320, 7.7880



181.0520, 11.4170, -3.1670



# Rectangle

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



178.4280, -13.2490, -7.6890



179.2520, -18.3850, -2.7130



183.3870, 12.3320, 7.7880



182.8510, 16.5970, 2.0770

# Sweetspot

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



178.4280, -13.2490, -7.6890



239.0810, -4.7220, -2.5300



178.3550, -2.9780, -12.1140



120.0920, -3.2550, -1.5830



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



178.4280, -13.2490, -7.6890



228.4870, -20.9050, -12.1130



175.7040, -13.8460, -2.3740



91.0810, -4.7220, -2.5300



105.8560, -80.3650, -46.8690



20.7050, -15.5870, -9.3710



# Inverse Universe

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



169.5720, 13.2490, 7.6890



214.5130, 20.9050, 12.1130



172.2960, 13.8460, 2.3740



87.9190, 4.7220, 2.5300



52.1440, 80.3650, 46.8690



10.1810, 15.9080, 9.0600



# Previews

## White Background



This preview shows how the YIQ color 178.4280, -13.2490, -7.6890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

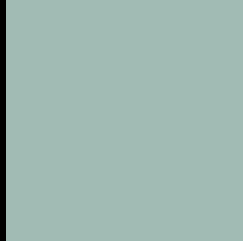
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 178.4280, -13.2490, -7.6890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

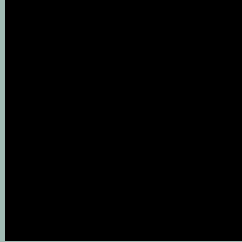
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 178.4280, -13.2490, -7.6890

## Background



This preview shows how black text looks on a background with the YIQ color 178.4280, -13.2490, -7.6890.



This preview shows how white text looks on a background with the YIQ color 178.4280, -13.2490, -7.6890.

-7.6890.

# 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

178.4280, -13.2490, -7.6890

### Protanopia

181.0390, 4.2640, -0.1840

### Deuteranopia

182.6750, 11.4610, 7.0530



## Tritanopia

179.7300, -16.7350, 0.4250

# Trichromacy



## Original Color

178.4280, -13.2490, -7.6890

## Protanomaly

180.2230, -2.2460, -3.3500

## Deuteranomaly

181.0220, 2.9340, 1.8940

## Tritanomaly

179.2200, -15.3590, -2.4870

# Monochromacy



## Original Color

178.4280, -13.2490, -7.6890

## Achromatopsia

178.0000, -0.0000, -0.0000

## Achromatomaly

178.0810, -4.7220, -2.5300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 178.4280, -13.2490, -7.6890 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(161, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(161, 187, 180)  
}
```

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(161, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 187, 180) }
```

## Border

The CSS property to change the border of an element to YIQ 178.4280, -13.2490, -7.6890 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(161, 187, 180) }
```



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

```
.border{ border-color:rgb(161, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(161, 187,  
180) }
```

# Background

The CSS property to change the background color of an element to YIQ 178.4280, -13.2490, -7.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 187, 180) }
```

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

```
.background{ background-color: rgb(161,  
187, 180) }
```

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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