

Converting Colors

YIQ(178.2060, 12.4780,
-38.9300)

Have a look what the booklet for
YIQ(178.2060, 12.4780, -38.9300)
contains.

YIQ(178.2060, 12.4780, -38.9300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(178.2060, 12.4780,
-38.9300)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C862
RGB	166, 200, 98
RGB Percent	65%, 78%, 38%
CMY	0.3492, 0.2156, 0.6155
CMYK	0.17, 0.00, 0.51, 0.22
HSL	80°, 48%, 58%
HSV	80°, 51%, 78%
XYZ	38.5818, 50.3005, 19.2389
YIQ	178.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

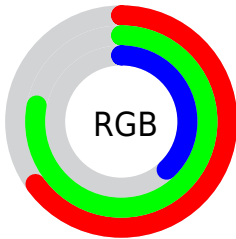
Format	Color
RYB	98, 200, 132
Decimal	10930274
CIELab	76.25, -27.43, 46.83
CIElCh	76, 54.272, 120.360
Yxy	50.3005, 0.3568, 0.4652
Android (android.graphics.Color)	4289120354 (0xFFA6C862)
YUV	178.2060, -39.5416, -10.7047
Hunter-Lab	70.9229, -27.0115, 33.5627

Details

The YIQ color $178.2060, 12.4780, -38.9300$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $119.7940, -12.4780, 38.9300$, and the grayscale version is $179.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $233.5760, 14.3120, -39.1280$, and $124.5480, 11.5150, -37.9970$ is the 20% darker color. If you saturate the color by 10%, you get $173.8330, 14.7260, -46.6340$, and if you desaturate by 10%, it is $182.5790, 10.2300, -31.2260$.

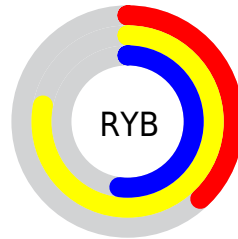
Distribution



Red (65%)

Green (78%)

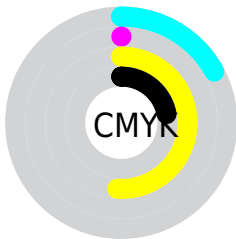
Blue (38%)



Red (38%)

Yellow (78%)

Blue (52%)

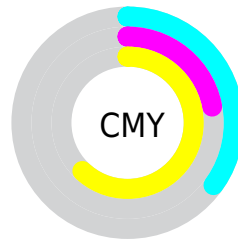


Cyan (17%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 178.2060, 12.4780, -38.9300 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 178.2060, 12.4780, -38.9300 by changing the saturation by 10% instead.

■ 178.2060, 12.4780,
-38.9300

■ 178.2060, 12.4780,
-38.9300

255.0000, -0.0000,
-0.0000

■ 151.3200, 12.1570,
-38.6190

■ 233.5760, 14.3120,
-39.1280

■ 124.5480, 11.5150,
-37.9970

■ 245.4390, 22.6080,
-24.2720

■ 97.9070, 11.8820,
-39.1420

■ 249.5280, 15.4080,
-14.9280

■ 73.7050, 9.6350,
-36.9650

■ 252.7200, 6.4200,
-6.2200

■ 52.1420, 1.3350,
-29.7130

■ 29.3720, -10.8160,
-24.2560

■ 17.6100, -8.2500,

-15.6900

■ 0.0000, 0.0000,
0.0000

■ 178.2060, 12.4780,
-38.9300

■ 178.2060, 12.4780,
-38.9300

■ 173.8330, 14.7260,
-46.6340

■ 182.5790, 10.2300,
-31.2260

■ 169.7590, 17.5700,
-54.1260

■ 186.6530, 7.3860,
-23.7340

■ 165.3860, 19.8180,
-61.8300

■ 191.0260, 5.1380,
-16.0300

■ 161.0130, 22.0660,
-69.5340

■ 195.3990, 2.8900,
-8.3260

■ 157.1670, 24.2680,
-76.4040

■ 199.4730, 0.0460,
-0.8340

■ 203.8460, -2.2020,
6.8700

■ 208.2190, -4.4500,
14.5740

■ 211.9510, -6.3310,
21.1330

■ 214.0440, -2.1590,
22.6170

Harmonies

Analogous

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



183.0540, 51.4930, -24.6270



178.2060, 12.4780, -38.9300



168.3860, -40.9350, -45.5990

Triad

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



178.2060, 12.4780, -38.9300



149.9920, -138.5050, -28.4330



183.4930, 51.1610, 36.4810

Complementary

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



178.2060, 12.4780, -38.9300



119.7940, -12.4780, 38.9300

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.



193.4540, 29.7020, 45.4300



178.2060, 12.4780, -38.9300



171.6630, -76.5220, -0.8580

Square

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



178.2060, 12.4780, -38.9300



152.0490, -134.6520, -37.6920



189.2030, -15.5480, 28.4840



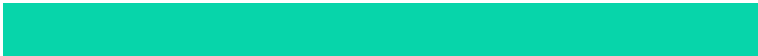
180.8420, 65.5150, 18.6270

Rectangle

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



178.2060, 12.4780, -38.9300



146.5040, -108.9730, -57.0450



189.2030, -15.5480, 28.4840



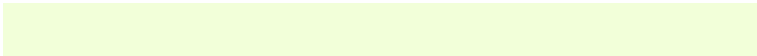
186.0180, 45.4290, 41.2450

Sweetspot

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



178.2060, 12.4780, -38.9300



246.7810, 4.4500, -14.5740



148.4560, 51.4420, 3.8420



122.9860, 2.6150, -8.8490



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.



178.2060, 12.4780, -38.9300



221.6680, 19.0840, -59.5400



162.9570, -17.9180, -49.7420



97.0770, 1.1010, -3.4350



128.2720, 20.1390, -62.1410



28.3080, 4.4040, -13.7400

Inverse Universe

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



119.7940, -12.4780, 38.9300



132.3320, -19.0840, 59.5400



135.0430, 17.9180, 49.7420



91.9230, -1.1010, 3.4350



34.7280, -20.1390, 62.1410



7.6920, -4.4040, 13.7400

Previews

White Background



This preview shows how the YIQ color 178.2060, 12.4780, -38.9300 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 178.2060, 12.4780, -38.9300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

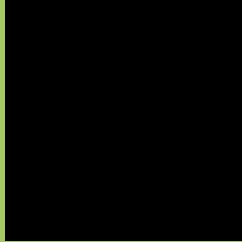
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 178.2060, 12.4780, -38.9300

Background



This preview shows how black text looks on a background with the YIQ color 178.2060, 12.4780, -38.9300.



This preview shows how white text looks on a background with the YIQ color 178.2060, 12.4780,

-38.9300.

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

178.2060, 12.4780, -38.9300

Protanopia

182.9650, 41.4980, -25.2060

Deuteranopia

185.2860, 54.1960, -13.0360



Tritanopia

187.0190, -10.1790, 2.7570

Trichromacy



Original Color

178.2060, 12.4780, -38.9300

Protanomaly

180.9420, 31.1370, -30.1670

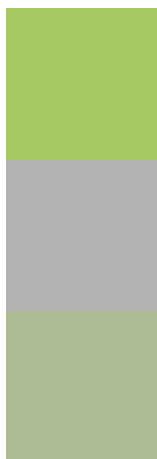
Deuteranomaly

182.8770, 38.9300, -22.7180

Tritanomaly

183.5400, -2.0610, -12.2130

Monochromacy



Original Color

178.2060, 12.4780, -38.9300

Achromatopsia

178.0000, -0.0000, -0.0000

Achromatomaly

178.1940, 4.7250, -14.0510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 178.2060, 12.4780, -38.9300 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(166, 200, 98)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 98)  
}
```

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(166, 200, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 98) }
```

Border

The CSS property to change the border of an element to YIQ 178.2060, 12.4780, -38.9300 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(166, 200, 98) }
```


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

```
.border{ border-color:rgb(166, 200, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 200, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 200, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 200, 98);  
box-shadow:4px 4px 4px 4px rgb(166, 200,  
98) }
```

Background

The CSS property to change the background color of an element to YIQ 178.2060, 12.4780, -38.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 98) }
```

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

```
.background{ background-color: rgb(166,  
200, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor