

Converting Colors

YIQ(180.8450, 102.7090,
-38.7230)

Have a look what the booklet for
YIQ(180.8450, 102.7090, -38.7230)
contains.

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Color

**YIQ(180.8450, 102.7090,
-38.7230)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB201
RGB	255, 178, 1
RGB Percent	100%, 70%, 0%
CMY	0.0000, 0.3021, 0.9955
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.1601, 53.0902, 7.2675
YIQ	180.8450, 102.7090, -38.7230

Conversions

Conversions Part 2

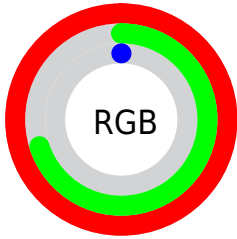
Format	Color
RYB	111, 255, 1
Decimal	16757249
CIELab	77.93, 17.18, 80.82
CIELCh	78, 82.623, 78.000
Yxy	53.0902, 0.4864, 0.4518
Android (android.graphics.Color)	4294947329 (0xFFFFB201)
YUV	180.8450, -88.6636, 65.0339
Hunter-Lab	72.8630, 12.5206, 45.0904

Details

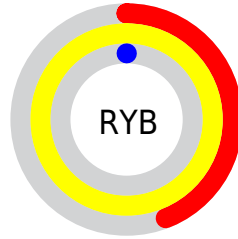
The YIQ color **180.8450, 102.7090, -38.7230** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **75.1550, -102.7090, 38.7230**, and the grayscale version is **182.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.9510, 61.3080, -42.8200**, and **131.3700, 79.7820, -25.1940** is the 20% darker color. If you saturate the color by 10%, you get **180.7310, 103.0300, -39.0340**, and if you desaturate by 10%, it is **188.5050, 92.1630, -34.8210**.

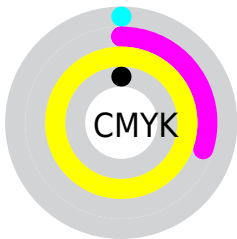
Distribution



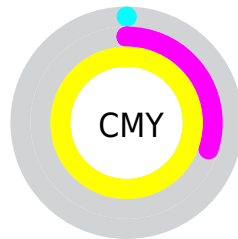
- Red (100%)
- Green (70%)
- Blue (0%)



- Red (44%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.8450, 102.7090, -38.7230 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 180.8450, 102.7090, -38.7230 by changing the saturation by 10% instead.

180.8450,
102.7090, -38.7230

180.8450,
102.7090, -38.7230

255.0000, -0.0000,
-0.0000

155.3140, 91.3830,
-31.6970

222.3640, 61.5830,
-42.2970

131.3700, 79.7820,
-25.1940

238.5840, 46.2240,
-44.7840

107.7250, 68.7770,
-18.4790

241.8900, 36.9150,
-35.7650

84.3680, 56.9010,
-12.4990

245.1960, 27.6060,
-26.7460

62.1960, 45.9420,
-6.6180

248.5020, 18.2970,
-17.7270

40.9100, 35.3040,
-1.0480

251.8080, 8.9880,

21.3960, 25.3080,

-8.7080

3.9000

■ 5.6810, 11.3240,
4.0280

■ 0.0000, 0.0000,
0.0000

■ 180.8450,
102.7090, -38.7230

■ 180.8450,
102.7090, -38.7230

■ 180.7310,
103.0300, -39.0340

■ 188.5050, 92.1630,
-34.8210

■ 195.4640, 82.2130,
-30.7070

■ 203.1240, 71.6670,
-26.8050

■ 210.6700, 61.4420,
-23.2140

■ 218.3300, 50.8960,
-19.3120

■ 225.2890, 40.9460,
-15.1980

■ 232.9490, 30.4000,
-11.2960

■ 240.4950, 20.1750,
-7.7050

■ 248.1550, 9.6290,
-3.8030

Harmonies

Analogous

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



170.3660, 86.7460, 2.7940



180.8450, 102.7090, -38.7230



174.7750, 55.0310, -66.7370

Triad

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



180.8450, 102.7090, -38.7230



160.9680, -139.0980, -45.2260



192.7670, 27.6830, 54.4910

Complementary

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



180.8450, 102.7090, -38.7230



75.1550, -102.7090, 38.7230

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.



175.0400, -58.2300, 9.0500



180.8450, 102.7090, -38.7230



160.5580, -143.4550, -37.8470

Square

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



180.8450, 102.7090, -38.7230



150.6740, -112.8680, -69.0600



152.3400, -139.6050, -30.5250



171.9760, 46.3880, 62.4200

Rectangle

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



180.8450, 102.7090, -38.7230



170.3880, -0.8590, -67.0590



152.3400, -139.6050, -30.5250



190.8300, 5.0360, 40.9080

Sweetspot

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



180.8450, 102.7090, -38.7230



232.8350, 30.7210, -11.6070



86.1800, 125.3830, 79.0390



114.5380, 18.6160, -6.9840



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.



180.8450, 102.7090, -38.7230



180.7310, 103.0300, -39.0340



211.9910, 53.5220, -88.9580



124.1700, 5.2730, -1.9510



135.1800, 77.2610, -29.0670



44.9640, 26.0440, -9.4440

Inverse Universe

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



75.1550, -102.7090, 38.7230



74.2690, -103.0300, 39.0340



44.0090, -53.5220, 88.9580



118.8300, -5.2730, 1.9510



55.8200, -77.2610, 29.0670



18.4490, -25.7690, 9.9670

Previews

White Background



This preview shows how the YIQ color 180.8450, 102.7090, -38.7230 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 180.8450, 102.7090, -38.7230 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 180.8450, 102.7090, -38.7230 Background



This preview shows how black text looks on a background with the YIQ color 180.8450, 102.7090, -38.7230.



This preview shows how white text looks on a background with the YIQ color 180.8450, 102.7090, -38.7230.

-38.7230.

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

180.8450, 102.7090, -38.7230

Protanopia

180.8840, 71.4420, -50.2700

Deuteranopia

180.3770, 95.0990, -43.9810



Tritanopia

195.9680, 47.7250, 21.6530

Trichromacy



Original Color

180.8450, 102.7090, -38.7230

Protanomaly

180.6790, 82.4450, -45.9310

Deuteranomaly

180.3990, 98.0330, -42.0870

Tritanomaly

190.3190, 67.7650, -0.1310

Monochromacy



Original Color

180.8450, 102.7090, -38.7230

Achromatopsia

181.0000, -0.0000, 0.0000

Achromatomaly

181.0760, 37.2320, -13.9680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.8450, 102.7090, -38.7230 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(255, 178, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 1)  
}
```

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(255, 178, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 1) }
```

Border

The CSS property to change the border of an element to YIQ 180.8450, 102.7090, -38.7230 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(255, 178, 1) }
```


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

```
.border{ border-color:rgb(255, 178, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
1) }
```

Background

The CSS property to change the background color of an element to YIQ 180.8450, 102.7090, -38.7230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 1) }
```

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

```
.background{ background-color: rgb(255,  
178, 1) }
```

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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