

Converting Colors

YIQ(188.0440, 83.8160,
-21.2080)

Have a look what the booklet for
YIQ(188.0440, 83.8160, -21.2080)
contains.

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Color

**YIQ(188.0440, 83.8160,
-21.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB33B
RGB	255, 179, 59
RGB Percent	100%, 70%, 23%
CMY	0.0000, 0.2981, 0.7682
CMYK	0.00, 0.30, 0.77, 0.00
HSL	37°, 100%, 62%
HSV	37°, 77%, 100%
XYZ	58.1459, 53.8042, 11.4731
YIQ	188.0440, 83.8160, -21.2080

Conversions

Conversions Part 2

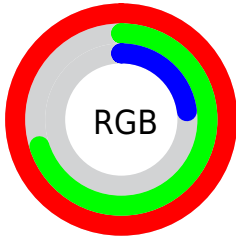
Format	Color
RYB	183, 255, 59
Decimal	16757563
CIELab	78.35, 17.78, 68.20
CIELCh	78, 70.484, 75.386
Yxy	53.8042, 0.4711, 0.4359
Android (android.graphics.Color)	4294947643 (0xFFFFB33B)
YUV	188.0440, -63.6187, 58.7204
Hunter-Lab	73.3513, 13.1328, 42.0722

Details

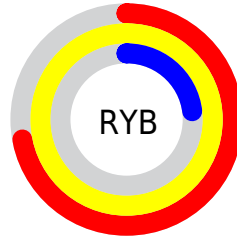
The YIQ color **188.0440, 83.8160, -21.2080** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **125.9560, -83.8160, 21.2080**, and the grayscale version is **189.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **227.1860, 50.7610, -33.3910**, and **131.6690, 80.3780, -24.9820** is the 20% darker color. If you saturate the color by 10%, you get **179.3240, 94.5910, -23.7530**, and if you desaturate by 10%, it is **196.8780, 72.7200, -18.3520**.

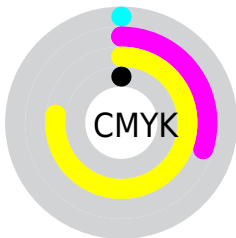
Distribution



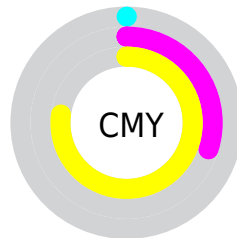
- Red (100%)
- Green (70%)
- Blue (23%)



- Red (72%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 188.0440, 83.8160, -21.2080 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 188.0440, 83.8160, -21.2080 by changing the saturation by 10% instead.


 188.0440, 83.8160,
-21.2080


 188.0440, 83.8160,
-21.2080


255.0000, -0.0000,
-0.0000


 159.3920, 82.7160,
-23.3000


 227.1860, 50.7610,
-33.3910


 131.6690, 80.3780,
-24.9820


 242.1180, 36.2730,
-35.1430


 108.0240, 69.3730,
-18.2670


 245.3100, 27.2850,
-26.4350

 84.9660, 58.0930,
-12.0750

 248.5020, 18.2970,
-17.7270

 63.3810, 46.8590,
-6.7170

 251.8080, 8.9880,
-8.7080

 42.0950, 36.2210,
-1.1470

 21.9940, 26.5000,

4.3240

■ 6.8770, 13.7080,
4.8760

■ 0.0000, 0.0000,
0.0000

■ 188.0440, 83.8160,
-21.2080

■ 188.0440, 83.8160,
-21.2080

■ 179.3240, 94.5910,
-23.7530

■ 196.8780, 72.7200,
-18.3520

■ 170.4900,
105.6870, -26.6090

■ 205.5980, 61.9450,
-15.8070

■ 167.8170,
109.0800, -27.5280

■ 214.4320, 50.8490,
-12.9510

■ 223.1520, 40.0740,
-10.4060

■ 231.3990, 29.2530,
-7.0270

■ 240.1190, 18.4780,
-4.4820

■ 248.9530, 7.3820,
-1.6260

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



177.7980, 76.8420, 6.0740



188.0440, 83.8160, -21.2080



182.7470, 44.2070, -46.7770

Triad

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



188.0440, 83.8160, -21.2080



157.9530, -134.7420, -47.0780



195.9240, 16.6350, 45.4590

Complementary

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



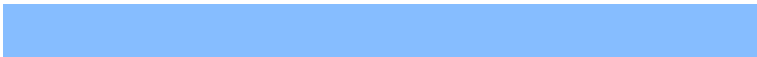
188.0440, 83.8160, -21.2080



125.9560, -83.8160, 21.2080

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.



180.0790, -53.9660, 8.8660



188.0440, 83.8160, -21.2080



159.3840, -142.9050, -36.8010

Square

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



188.0440, 83.8160, -21.2080



148.9130, -112.0430, -67.4910



152.3400, -139.6050, -30.5250



183.3570, 40.5210, 53.1050

Rectangle

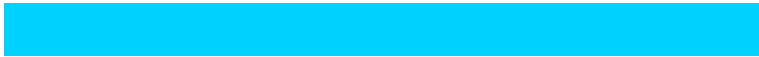
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



188.0440, 83.8160, -21.2080



178.0010, 5.1450, -54.7190



152.3400, -139.6050, -30.5250



192.8350, -2.5280, 34.8160

Sweetspot

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



188.0440, 83.8160, -21.2080



234.7730, 25.2640, -6.3200



126.4960, 91.7780, 65.8100



115.6780, 15.4060, -3.8740



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.



188.0440, 83.8160, -21.2080



174.7930, 100.4600, -25.4920



226.6760, 50.9960, -65.1960



123.5830, 5.5480, -1.4280



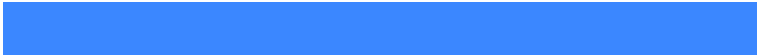
125.7880, 81.6610, -20.6990



42.0290, 27.4190, -6.8290

Inverse Universe

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



125.9560, -83.8160, 21.2080



100.2070, -100.4600, 25.4920



87.3240, -50.9960, 65.1960



119.4170, -5.5480, 1.4280



65.2120, -81.6610, 20.6990



21.9710, -27.4190, 6.8290

Previews

White Background



This preview shows how the YIQ color 188.0440, 83.8160, -21.2080 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 188.0440, 83.8160, -21.2080 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 188.0440, 83.8160, -21.2080

Background



This preview shows how black text looks on a background with the YIQ color 188.0440, 83.8160, -21.2080.



This preview shows how white text looks on a background with the YIQ color 188.0440, 83.8160, -21.2080.

-21.2080.

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

188.0440, 83.8160, -21.2080

Protanopia

186.5300, 55.4840, -36.3880

Deuteranopia

187.1630, 75.9310, -26.9890



Tritanopia

197.3700, 46.5330, 21.2290

Trichromacy



Original Color

188.0440, 83.8160, -21.2080

Protanomaly

187.0800, 65.7990, -30.5930

Deuteranomaly

187.2990, 78.5440, -24.7840

Tritanomaly

194.0010, 60.1530, 5.6650

Monochromacy



Original Color

188.0440, 83.8160, -21.2080

Achromatopsia

188.0000, 0.0000, 0.0000

Achromatomaly

188.0570, 30.2160, -7.9600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 188.0440, 83.8160, -21.2080 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, 179, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 59)  
}
```

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, 179, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 59) }
```

Border

The CSS property to change the border of an element to YIQ 188.0440, 83.8160, -21.2080 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, 179, 59) }
```


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

```
.border{ border-color:rgb(255, 179, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 179, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
59) }
```

Background

The CSS property to change the background color of an element to YIQ 188.0440, 83.8160, -21.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 59) }
```

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

```
.background{ background-color: rgb(255,  
179, 59) }
```

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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