

Converting Colors

YIQ(171.8410, 100.5050,
-20.7990)

Have a look what the booklet for
YIQ(171.8410, 100.5050, -20.7990)
contains.

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Color

**YIQ(171.8410, 100.5050,
-20.7990)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E19
RGB	255, 158, 25
RGB Percent	100%, 62%, 10%
CMY	0.0000, 0.3805, 0.9014
CMYK	0.00, 0.38, 0.90, 0.00
HSL	35°, 100%, 55%
HSV	35°, 90%, 100%
XYZ	53.6367, 45.7704, 6.9346
YIQ	171.8410, 100.5050, -20.7990

Conversions

Conversions Part 2

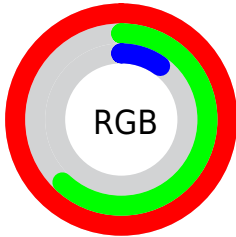
Format	Color
R _Y B	193, 255, 25
Decimal	16752153
CIE Lab	73.40, 27.86, 74.26
CIE LCh	73, 79.314, 69.439
Yxy	45.7704, 0.5044, 0.4304
Android (android.graphics.Color)	4294942233 (0xFFFF9E19)
YUV	171.8410, -72.3926, 72.9304
Hunter-Lab	67.6538, 23.1225, 41.2804

Details

The YIQ color **171.8410, 100.5050, -20.7990** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **108.1590, -100.5050, 20.7990**, and the grayscale version is **172.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **211.3080, 65.1570, -29.9710**, and **119.6300, 85.2820, -14.7340** is the 20% darker color. If you saturate the color by 10%, you get **162.5340, 111.5550, -22.8210**, and if you desaturate by 10%, it is **181.2620, 89.1340, -18.4660**.

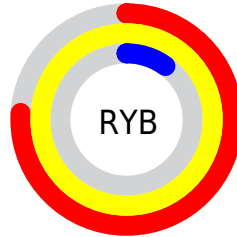
Distribution



Red (100%)

Green (62%)

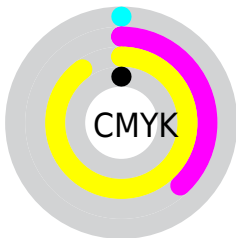
Blue (10%)



Red (76%)

Yellow (100%)

Blue (10%)

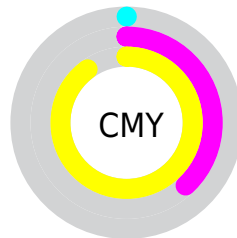


Cyan (0%)

Magenta (38%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 171.8410, 100.5050, -20.7990 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 171.8410, 100.5050, -20.7990 by changing the saturation by 10% instead.

171.8410,
100.5050, -20.7990

171.8410,
100.5050, -20.7990

255.0000, -0.0000,
-0.0000

144.1610, 96.6080,
-21.7600

211.3080, 65.1570,
-29.9710

119.6300, 85.2820,
-14.7340

230.8220, 48.7900,
-36.2180

95.6860, 73.6810,
-8.2310

242.2320, 35.9520,
-34.8320

73.2150, 62.1260,
-2.5620

245.5380, 26.6430,
-25.8130

50.7440, 50.5710,
3.1070

248.7300, 17.6550,
-17.1050

28.2840, 40.4830,
9.7230

252.0360, 8.3460,

14.0530, 28.0120,

-8.0860

9.9640

■ 0.0000, 0.0000,
0.0000

■ 171.8410,
100.5050, -20.7990

■ 171.8410,
100.5050, -20.7990

■ 162.5340,
111.5550, -22.8210

■ 181.2620, 89.1340,
-18.4660

■ 189.9820, 78.3590,
-15.9210

■ 199.4030, 66.9880,
-13.5880

■ 208.7100, 55.9380,
-11.5660

■ 218.1310, 44.5670,
-9.2330

■ 227.4380, 33.5170,
-7.2110

■ 236.2720, 22.4210,
-4.3550

■ 245.5790, 11.3710,
-2.3330

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.



160.5810, 88.1190, 16.4630



171.8410, 100.5050, -20.7990



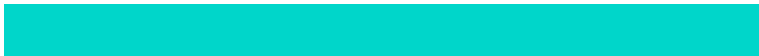
166.0140, 65.0240, -55.1040

Triad

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



171.8410, 100.5050, -20.7990



148.6460, -123.6920, -49.1000



180.5080, 3.2470, 45.7990

Complementary

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



171.8410, 100.5050, -20.7990



108.1590, -100.5050, 20.7990

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.



137.7090, -126.8620, -13.6620



171.8410, 100.5050, -20.7990



153.5140, -140.1550, -31.5710

Square

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



171.8410, 100.5050, -20.7990



138.2210, -98.4710, -71.1670



147.6440, -137.4050, -26.3410



171.4860, 45.0120, 65.3320

Rectangle

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



171.8410, 100.5050, -20.7990



162.1150, 22.0190, -63.1730



147.6440, -137.4050, -26.3410



175.6030, -22.4260, 31.9900

Sweetspot

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



171.8410, 100.5050, -20.7990



230.1110, 30.1240, -6.2920



105.1700, 104.9800, 79.8600



112.7600, 18.1110, -3.3370



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.



171.8410, 100.5050, -20.7990



162.5340, 111.5550, -22.8210



224.2950, 64.8900, -74.7100



122.9960, 5.8230, -0.9050



122.2660, 83.3110, -17.5610



40.8550, 27.9690, -5.7830

Inverse Universe

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



108.1590, -100.5050, 20.7990



92.4660, -111.5550, 22.8210



55.7050, -64.8900, 74.7100



119.4170, -5.5480, 1.4280



69.3210, -83.5860, 17.0380



23.1450, -27.9690, 5.7830

Previews

White Background



This preview shows how the YIQ color 171.8410, 100.5050, -20.7990 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 171.8410, 100.5050, -20.7990 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 171.8410, 100.5050, -20.7990 Background



This preview shows how black text looks on a background with the YIQ color 171.8410, 100.5050, -20.7990.



This preview shows how white text looks on a background with the YIQ color 171.8410, 100.5050, -20.7990.

-20.7990.

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

171.8410, 100.5050, -20.7990

Protanopia

170.5920, 60.9410, -41.6750

Deuteranopia

169.3040, 88.1750, -39.6410



Tritanopia

182.5350, 59.3700, 25.3700

Trichromacy



Original Color

171.8410, 100.5050, -20.7990

Protanomaly

171.3490, 75.1070, -34.0850

Deuteranomaly

169.9720, 92.3460, -32.6300

Tritanomaly

178.7100, 74.2740, 8.5620

Monochromacy



Original Color

171.8410, 100.5050, -20.7990

Achromatopsia

172.0000, -0.0000, -0.0000

Achromatomaly

171.9930, 36.2680, -7.5080

CSS Examples

Text

The CSS property to change the color of the text to YIQ 171.8410, 100.5050, -20.7990 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, 158, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 25)  
}
```

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, 158, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 25) }
```

Border

The CSS property to change the border of an element to YIQ 171.8410, 100.5050, -20.7990 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, 158, 25) }
```


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

```
.border{ border-color:rgb(255, 158, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
25) }
```

Background

The CSS property to change the background color of an element to YIQ 171.8410, 100.5050, -20.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 25) }
```

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

```
.background{ background-color: rgb(255,  
158, 25) }
```

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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