

# Converting Colors

YIQ(142.6880, 96.5620,  
-20.9260)

Have a look what the booklet for  
YIQ(142.6880, 96.5620, -20.9260)  
contains.

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# Color

**YIQ(142.6880, 96.5620,  
-20.9260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE8200
RGB	222, 130, 0
RGB Percent	87%, 51%, 0%
CMY	0.1293, 0.4903, 0.9995
CMYK	0.00, 0.41, 1.00, 0.13
HSL	35°, 100%, 44%
HSV	35°, 100%, 87%
XYZ	38.1131, 31.4903, 4.0730
YIQ	142.6880, 96.5620, -20.9260

# Conversions

## Conversions Part 2

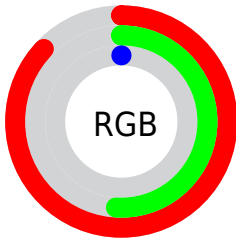
Format	Color
<a href="#">RYB</a>	<a href="#">157, 222, 0</a>
Decimal	<a href="#">14582272</a>
CIELab	<a href="#">62.92, 28.54, 69.18</a>
CIElCh	<a href="#">63, 74.835, 67.583</a>
Yxy	<a href="#">31.4903, 0.5173, 0.4274</a>
Android (android.graphics.Color)	<a href="#">4292772352</a> (0xFFDE8200)
YUV	<a href="#">142.6880, -70.3452, 69.5566</a>
Hunter-Lab	<a href="#">56.1162, 23.0305, 34.9780</a>

# Details

The YIQ color **142.6880, 96.5620, -20.9260** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **79.3120, -96.5620, 20.9260**, and the grayscale version is **143.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **191.7600, 78.8640, -19.5680**, and **94.8000, 73.3600, -7.9200** is the 20% darker color. If you saturate the color by 10%, you get **142.6880, 96.5620, -20.9260**, and if you desaturate by 10%, it is **150.4790, 87.0250, -18.7910**.

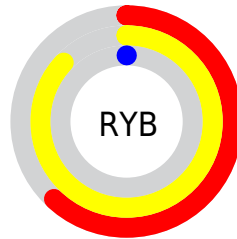
# Distribution



Red (87%)

Green (51%)

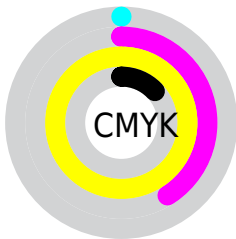
Blue (0%)



Red (62%)

Yellow (87%)

Blue (0%)

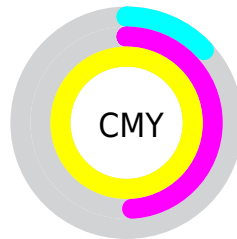


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (49%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 142.6880, 96.5620, -20.9260 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 142.6880, 96.5620, -20.9260 by changing the saturation by 10% instead.



142.6880, 96.5620,  
-20.9260

142.6880, 96.5620,  
-20.9260

255.0000, -0.0000,  
-0.0000

118.1570, 85.2360,  
-13.9000

191.7600, 78.8640,  
-19.5680

94.8000, 73.3600,  
-7.9200

211.3880, 62.1760,  
-25.5040

71.7420, 62.0800,  
-1.7280

231.4890, 45.5340,  
-32.2740

49.2710, 50.5250,  
3.9410

243.3720, 32.7420,  
-31.7220

26.8110, 40.4370,  
10.5570

246.6780, 23.4330,  
-22.7030

14.0530, 28.0120,  
9.9640

249.8700, 14.4450,

0.0000, 0.0000,

-13.9950

0.0000

■ 253.1760, 5.1360,  
-4.9760

■ 142.6880, 96.5620,  
-20.9260

■ 150.4790, 87.0250,  
-18.7910

■ 158.3840, 77.1670,  
-16.3450

■ 166.7620, 67.3550,  
-14.7330

■ 174.5530, 57.8180,  
-12.5980

■ 182.3440, 48.2810,  
-10.4630

■ 190.1350, 38.7440,  
-8.3280

■ 198.0400, 28.8860,  
-5.8820

■ 206.4180, 19.0740,  
-4.2700

■ 214.2090, 9.5370,  
-2.1350

# Harmonies

## Analogous

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



142.7940, 101.0010, 25.2970



142.6880, 96.5620, -20.9260



140.9180, 56.9070, -45.6610

# Triad

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



142.6880, 96.5620, -20.9260



125.9860, -103.9780, -42.9380



155.0580, -12.8010, 50.2950

# Complementary

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



142.6880, 96.5620, -20.9260



79.3120, -96.5620, 20.9260

# 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.



120.0550, -124.4800, -1.7600



142.6880, 96.5620, -20.9260



132.6950, -124.2470, -22.5110

# Square

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



142.6880, 96.5620, -20.9260



116.2450, -80.6830, -63.1390



130.6210, -129.4300, -11.1740



150.8030, 54.3650, 66.5330



# Rectangle

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



142.6880, 96.5620, -20.9260



133.9200, 27.0620, -60.9540



130.6210, -129.4300, -11.1740



150.4520, -37.8780, 36.6980

# Sweetspot

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



142.6880, 96.5620, -20.9260



227.5520, 33.1960, -6.9000



76.9800, 102.4590, 75.9870



111.0160, 20.2660, -3.8460



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.



142.6880, 96.5620, -20.9260



163.7080, 111.0050, -23.8670



191.3100, 60.5340, -72.8580



108.3980, 4.6310, -1.3290



113.0850, 76.5710, -16.5570



30.7880, 20.9080, -4.4680



# Inverse Universe

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



79.3120, -96.5620, 20.9260



91.2920, -111.0050, 23.8670



30.9890, -59.9380, 73.0700



105.1890, -4.9060, 0.8060



62.9150, -76.5710, 16.5570



17.2120, -20.9080, 4.4680



# Previews

## White Background



This preview shows how the YIQ color 142.6880, 96.5620, -20.9260 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 142.6880, 96.5620, -20.9260 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 142.6880, 96.5620, -20.9260

## Background



This preview shows how black text looks on a background with the YIQ color 142.6880, 96.5620, -20.9260.



This preview shows how white text looks on a background with the YIQ color 142.6880, 96.5620, -20.9260.

-20.9260.

# 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

142.6880, 96.5620, -20.9260

### Protanopia

143.1770, 54.9800, -38.2680

### Deuteranopia

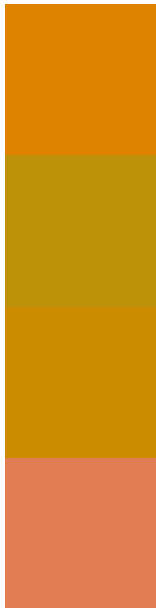
142.8220, 75.1530, -34.9190



## Tritanopia

153.7200, 60.2870, 25.2710

# Trichromacy



## Original Color

142.6880, 96.5620, -20.9260

## Protanomaly

143.1790, 69.8340, -32.1340

## Deuteranomaly

143.1760, 83.0840, -29.9720

## Tritanomaly

149.5250, 73.3570, 8.6610

# Monochromacy



## Original Color

142.6880, 96.5620, -20.9260

## Achromatopsia

143.0000, -0.0000, 0.0000

## Achromatomaly

142.8080, 35.3510, -7.4090

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 142.6880, 96.5620, -20.9260 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(222, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 130, 0)  
}
```

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(222, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 130, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 142.6880, 96.5620, -20.9260 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(222, 130, 0) }
```



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

```
.border{ border-color:rgb(222, 130, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 130, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 130,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 142.6880, 96.5620, -20.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 130, 0) }
```

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

```
.background{ background-color: rgb(222,  
130, 0) }
```

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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