

Converting Colors

YIQ(149.9700, 78.6330, -9.8710)

Have a look what the booklet for
YIQ(149.9700, 78.6330, -9.8710)
contains.

YIQ(149.9700, 78.6330, -9.8710)	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(149.9700, 78.6330,
-9.8710)**

Conversions

Conversions Part 1

Format	Color
Hex	DB872E
RGB	219, 135, 46
RGB Percent	86%, 53%, 18%
CMY	0.1410, 0.4707, 0.8192
CMYK	0.00, 0.38, 0.79, 0.14
HSL	31°, 71%, 52%
HSV	31°, 79%, 86%
XYZ	38.3786, 32.5818, 6.8610
YIQ	149.9700, 78.6330, -9.8710

Conversions

Conversions Part 2

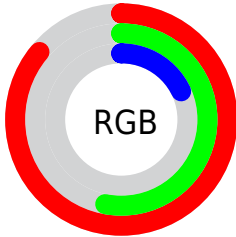
Format	Color
R _Y B	209, 219, 46
Decimal	14386990
CIE Lab	63.82, 25.51, 58.04
CIE LCh	64, 63.393, 66.275
Yxy	32.5818, 0.4932, 0.4187
Android (android.graphics.Color)	4292577070 (0xFFDB872E)
YUV	149.9700, -51.2572, 60.5393
Hunter-Lab	57.0805, 20.1252, 32.8298

Details

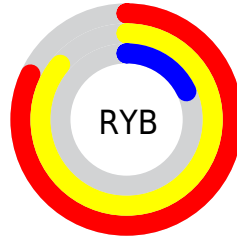
The YIQ color **149.9700, 78.6330, -9.8710** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **115.0300, -78.6330, 9.8710**, and the grayscale version is **150.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **198.3600, 68.5470, -14.3090**, and **97.1370, 70.7930, -10.9590** is the 20% darker color. If you saturate the color by 10%, you get **141.0050, 88.7200, -10.9600**, and if you desaturate by 10%, it is **158.9350, 68.5460, -8.7820**.

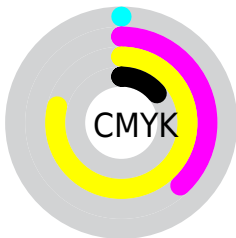
Distribution



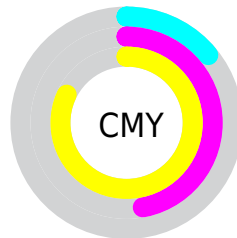
- Red (86%)
- Green (53%)
- Blue (18%)



- Red (82%)
- Yellow (86%)
- Blue (18%)



- Cyan (0%)
- Magenta (38%)
- Yellow (79%)
- Black (14%)





- Cyan (14%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 149.9700, 78.6330, -9.8710 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 149.9700, 78.6330, -9.8710 by changing the saturation by 10% instead.


 149.9700, 78.6330,
-9.8710


 149.9700, 78.6330,
-9.8710


255.0000, -0.0000,
-0.0000


 122.0190, 76.9370,
-12.1750


 198.4740, 68.2260,
-13.9980

 97.1370, 70.7930,
-10.9590


 217.2870, 52.4550,
-20.0330


 74.3780, 60.1090,
-4.5550


 237.3880, 35.8130,
-26.8030

 52.2060, 49.1500,
1.3260

 246.4500, 24.0750,
-23.3250

 30.3330, 38.7870,
7.4190

 249.6420, 15.0870,
-14.6170

 13.7540, 27.4160,
9.7520

 252.9480, 5.7780,

 0.0000, 0.0000,

-5.5980

0.0000

■ 149.9700, 78.6330,
-9.8710

■ 149.9700, 78.6330,
-9.8710

■ 141.0050, 88.7200,
-10.9600

■ 158.9350, 68.5460,
-8.7820

■ 132.6270, 98.5320,
-12.5720

■ 167.3130, 58.7340,
-7.1700

■ 131.8120, 99.4490,
-12.6710

■ 176.2780, 48.6470,
-6.0810

■ 185.2430, 38.5600,
-4.9920

■ 193.6210, 28.7480,
-3.3800

■ 202.5860, 18.6610,
-2.2910

■ 211.4370, 8.8950,
-1.5130

■ 219.8150, -0.9170,
0.0990

■ 228.7800,
-11.0040, 1.1880

Harmonies

Analogous

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



150.5690, 88.3930, 22.5130



149.9700, 78.6330, -9.8710



145.8500, 51.5870, -37.3490

Triad

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



149.9700, 78.6330, -9.8710



125.0570, -102.7400, -43.3480



158.1300, -13.3040, 42.8880

Complementary

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



149.9700, 78.6330, -9.8710



115.0300, -78.6330, 9.8710

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.



131.6940, -104.1700, 4.6140



149.9700, 78.6330, -9.8710



130.7400, -120.1200, -25.7200

Square

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



149.9700, 78.6330, -9.8710



116.6840, -83.2970, -59.8170



130.6210, -129.4300, -11.1740



156.8520, 43.5010, 54.1650

Rectangle

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



149.9700, 78.6330, -9.8710



142.5950, 21.3280, -45.1360



130.6210, -129.4300, -11.1740



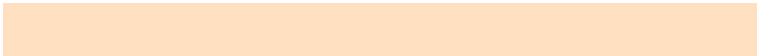
155.4690, -36.5480, 34.6200

Sweetspot

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



149.9700, 78.6330, -9.8710



230.4360, 27.8310, -3.2810



107.6450, 75.1810, 63.7330



113.2160, 16.8270, -2.0930



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.



149.9700, 78.6330, -9.8710



158.1460, 110.1320, -13.5480



199.2780, 55.5330, -53.8030



105.2240, 5.1810, -0.2830



103.9700, 78.6330, -9.8710



27.8420, 20.8160, -2.8000

Inverse Universe

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



115.0300, -78.6330, 9.8710



109.8540, -110.1320, 13.5480



65.7220, -55.5330, 53.8030



103.1890, -4.9060, 0.8060



69.0300, -78.6330, 9.8710



18.1580, -20.8160, 2.8000

Previews

White Background



This preview shows how the YIQ color 149.9700, 78.6330, -9.8710 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 149.9700, 78.6330, -9.8710 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 149.9700, 78.6330, -9.8710

Background



This preview shows how black text looks on a background with the YIQ color 149.9700, 78.6330, -9.8710.



This preview shows how white text looks on a background with the YIQ color 149.9700, 78.6330, -9.8710.

-9.8710.

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

149.9700, 78.6330, -9.8710

Protanopia

148.8250, 44.7080, -28.3160

Deuteranopia

149.2680, 62.6340, -22.7900



Tritanopia

156.3280, 55.5190, 23.5750

Trichromacy



Original Color

149.9700, 78.6330, -9.8710

Protanomaly

149.2720, 56.8110, -21.8850

Deuteranomaly

149.8390, 68.4560, -18.1680

Tritanomaly

153.8430, 63.7740, 11.6300

Monochromacy



Original Color

149.9700, 78.6330, -9.8710

Achromatopsia

150.0000, -0.0000, -0.0000

Achromatomaly

150.2080, 28.4730, -3.9030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 149.9700, 78.6330, -9.8710 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(219, 135, 46)` looks like.

```
.text, #text, p{  
    color:rgb(219, 135, 46)  
}
```

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(219, 135, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 135, 46) }
```

Border

The CSS property to change the border of an element to YIQ 149.9700, 78.6330, -9.8710 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(219, 135, 46) }
```


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

```
.border{ border-color:rgb(219, 135, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 135, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 135, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 135, 46);  
box-shadow:4px 4px 4px 4px rgb(219, 135,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 149.9700, 78.6330, -9.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 135, 46) }
```

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

```
.background{ background-color: rgb(219,  
135, 46) }
```

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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