

Converting Colors

YIQ(163.7740, 49.8860,
-12.0180)

Have a look what the booklet for
YIQ(163.7740, 49.8860, -12.0180)
contains.

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Color

**YIQ(163.7740, 49.8860,
-12.0180)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9E58
RGB	204, 158, 88
RGB Percent	80%, 62%, 35%
CMY	0.1999, 0.3804, 0.6546
CMYK	0.00, 0.23, 0.57, 0.20
HSL	36°, 53%, 57%
HSV	36°, 57%, 80%
XYZ	38.8941, 37.9924, 14.5298
YIQ	163.7740, 49.8860, -12.0180

Conversions

Conversions Part 2

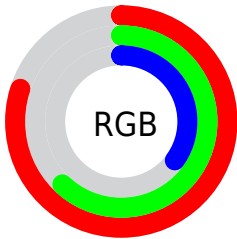
Format	Color
RYB	164, 204, 88
Decimal	13409880
CIELab	68.02, 9.08, 42.65
CIELCh	68, 43.605, 77.988
Yxy	37.9924, 0.4255, 0.4156
Android (android.graphics.Color)	4291599960 (0xFFCC9E58)
YUV	163.7740, -37.3566, 35.2782
Hunter-Lab	61.6380, 4.7684, 29.1703

Details

The YIQ color **163.7740, 49.8860, -12.0180** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **128.2260, -49.8860, 12.0180**, and the grayscale version is **164.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **216.6490, 48.7400, -13.2760**, and **111.2080, 45.6680, -12.6680** is the 20% darker color. If you saturate the color by 10%, you get **156.7980, 58.5060, -14.0540**, and if you desaturate by 10%, it is **170.7500, 41.2660, -9.9820**.

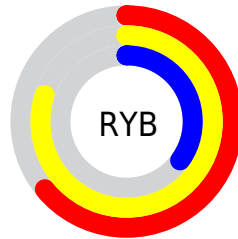
Distribution



Red (80%)

Green (62%)

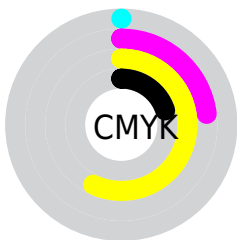
Blue (35%)



Red (64%)

Yellow (80%)

Blue (35%)

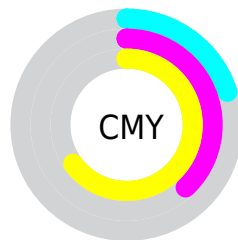


Cyan (0%)

Magenta (23%)

Yellow (57%)

Black (20%)



Cyan (20%)

Magenta (38%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.7740, 49.8860, -12.0180 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 163.7740, 49.8860, -12.0180 by changing the saturation by 10% instead.

■ 163.7740, 49.8860,
-12.0180

■ 163.7740, 49.8860,
-12.0180

■ 255.0000, -0.0000,
-0.0000

■ 136.9910, 47.7770,
-12.3430

■ 216.6490, 48.7400,
-13.2760

■ 111.2080, 45.6680,
-12.6680

■ 236.7500, 32.0980,
-20.0460

■ 85.7840, 43.9260,
-14.1380

■ 248.0460, 19.5810,
-18.9710

■ 62.7280, 38.3320,
-11.8760

■ 251.2380, 10.5930,
-10.2630

■ 42.0400, 28.8860,
-5.8820

■ 254.5440, 1.2840,
-1.2440

■ 22.5260, 18.8900,
-0.9340

■ 0.2990, 0.5960,

0.2120

■ 0.0000, 0.0000,
0.0000

■ 163.7740, 49.8860,
-12.0180

■ 163.7740, 49.8860,
-12.0180

■ 156.7980, 58.5060,
-14.0540

■ 170.7500, 41.2660,
-9.9820

■ 149.7080, 67.4470,
-16.4010

■ 177.8400, 32.3250,
-7.6350

■ 142.7320, 76.0670,
-18.4370

■ 184.8160, 23.7050,
-5.5990

■ 135.6420, 85.0080,
-20.7840

■ 191.9060, 14.7640,
-3.2520

■ 133.1970, 87.7590,
-21.0810

■ 198.8820, 6.1440,
-1.2160

■ 206.4450, -2.7510,
0.2970

■ 213.5350,
-11.6920, 2.6440

■ 220.5110,
-20.3120, 4.6800

■ 225.6630,
-23.7960, 1.7400

Harmonies

Analogous

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



166.0230, 63.0870, 7.5590



163.7740, 49.8860, -12.0180



160.4560, 23.9380, -26.3500

Triad

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



163.7740, 49.8860, -12.0180



130.7280, -111.8190, -38.4990



170.7560, 7.8800, 33.4160

Complementary

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



163.7740, 49.8860, -12.0180



128.2260, -49.8860, 12.0180

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.



165.3360, -35.2160, 21.4880



163.7740, 49.8860, -12.0180



132.8430, -121.9080, -26.3560

Square

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



163.7740, 49.8860, -12.0180



144.3040, -60.8350, -37.3710



149.1610, -86.7920, -1.9600



169.7630, 41.5330, 34.7570

Rectangle

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



163.7740, 49.8860, -12.0180



157.3760, 0.5560, -32.1160



149.1610, -86.7920, -1.9600



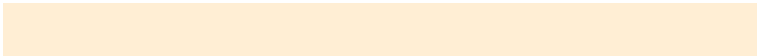
169.3460, -5.6450, 30.7310

Sweetspot

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



163.7740, 49.8860, -12.0180



240.1190, 18.4780, -4.4820



127.9280, 54.3700, 38.8980



118.5790, 11.3710, -2.3330



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.



163.7740, 49.8860, -12.0180



194.7750, 74.5080, -17.7160



187.1880, 30.0840, -38.6200



98.5120, 4.3100, -1.0180



108.3340, 71.4360, -17.1080



24.8630, 16.3230, -3.9730

Inverse Universe

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



128.2260, -49.8860, 12.0180



141.6380, -74.2330, 18.2390



104.8120, -30.0840, 38.6200



95.4880, -4.3100, 1.0180



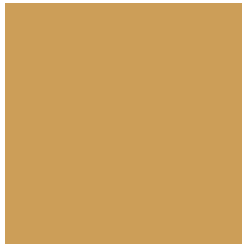
57.6660, -71.4360, 17.1080



13.1370, -16.3230, 3.9730

Previews

White Background



This preview shows how the YIQ color 163.7740, 49.8860, -12.0180 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 163.7740, 49.8860, -12.0180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

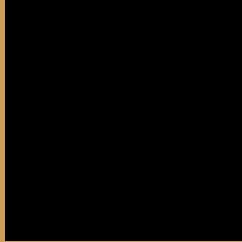
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 163.7740, 49.8860, -12.0180

Background



This preview shows how black text looks on a background with the YIQ color 163.7740, 49.8860, -12.0180.



This preview shows how white text looks on a background with the YIQ color 163.7740, 49.8860, -12.0180.

-12.0180.

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

163.7740, 49.8860, -12.0180

Protanopia

162.5330, 34.2070, -19.7210

Deuteranopia

163.4750, 49.2900, -12.2300



Tritanopia

169.1940, 32.2290, 16.1410

Trichromacy



Original Color

163.7740, 49.8860, -12.0180

Protanomaly

163.0500, 40.1210, -16.7670

Deuteranomaly

163.4750, 49.2900, -12.2300

Tritanomaly

167.2790, 38.8790, 5.7510

Monochromacy



Original Color

163.7740, 49.8860, -12.0180

Achromatopsia

164.0000, 0.0000, -0.0000

Achromatomaly

164.1190, 18.4780, -4.4820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.7740, 49.8860, -12.0180 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(204, 158, 88)` looks like.

```
.text, #text, p{  
    color:rgb(204, 158, 88)  
}
```

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(204, 158, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 158, 88) }
```

Border

The CSS property to change the border of an element to YIQ 163.7740, 49.8860, -12.0180 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(204, 158, 88) }
```


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

```
.border{ border-color:rgb(204, 158, 88) }
```

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

Here you see how a box with a 4 pixel rgb(204, 158, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 158, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 158, 88);  
box-shadow:4px 4px 4px 4px rgb(204, 158,  
88) }
```

Background

The CSS property to change the background color of an element to YIQ 163.7740, 49.8860, -12.0180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 158, 88) }
```

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

```
.background{ background-color: rgb(204,  
158, 88) }
```

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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