

Converting Colors

YIQ(48.8740, 9.7630, 15.8030)

Have a look what the booklet for
YIQ(48.8740, 9.7630, 15.8030)
contains.

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Color

**YIQ(48.8740, 9.7630,
15.8030)**

Conversions

Conversions Part 1

Format	Color
Hex	442441
RGB	68, 36, 65
RGB Percent	27%, 14%, 25%
CMY	0.7332, 0.8589, 0.7451
CMYK	0.00, 0.47, 0.04, 0.73
HSL	306°, 31%, 20%
HSV	306°, 47%, 27%
XYZ	3.9703, 2.8725, 5.3468
YIQ	48.8740, 9.7630, 15.8030

Conversions

Conversions Part 2

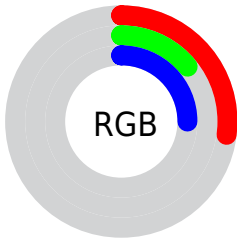
Format	Color
RYB	68, 36, 65
Decimal	4465729
CIELab	19.53, 20.36, -11.99
CIELCh	20, 23.626, 329.509
Yxy	2.8725, 0.3257, 0.2356
Android (android.graphics.Color)	4282655809 (0xFF442441)
YUV	48.8740, 7.9501, 16.7735
Hunter-Lab	16.9483, 12.1557, -6.8409

Details

The YIQ color **48.8740, 9.7630, 15.8030** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **55.1260, -9.7630, -15.8030**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.9990, 10.9090, 17.0610**, and **10.3960, 8.1130, 12.6650** is the 20% darker color. If you saturate the color by 10%, you get **44.6510, 12.0090, 19.1530**, and if you desaturate by 10%, it is **53.0970, 7.5170, 12.4530**.

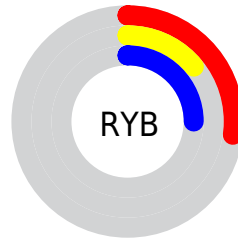
Distribution



Red (27%)

Green (14%)

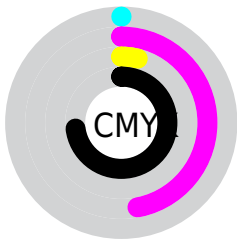
Blue (25%)



Red (27%)

Yellow (14%)

Blue (25%)

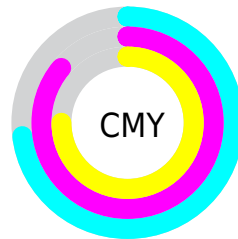


Cyan (0%)

Magenta (47%)

Yellow (4%)

Black (73%)



Cyan (73%)

Magenta (86%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.8740, 9.7630, 15.8030 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 48.8740, 9.7630, 15.8030 by changing the saturation by 10% instead.

■ 48.8740, 9.7630,
15.8030

■ 48.8740, 9.7630,
15.8030

■ 255.0000, -0.0000,
-0.0000

■ 27.1620, 8.8920,
15.0680

■ 95.9990, 10.9090,
17.0610

■ 10.3960, 8.1130,
12.6650

■ 120.7110, 11.7800,
17.7960

■ 0.0000, 0.0000,
0.0000

■ 147.1240, 12.0550,
18.3190

■ 173.5370, 12.3300,
18.8420

■ 200.9500, 12.6050,
19.3650

■ 229.2490, 13.2010,

19.5770

246.7820, 3.8500,
7.3220

48.8740, 9.7630,
15.8030

48.8740, 9.7630,
15.8030

44.6510, 12.0090,
19.1530

53.0970, 7.5170,
12.4530

40.5420, 13.9340,
22.8140

57.2060, 5.5920,
8.7920

36.9060, 15.9050,
25.6410

60.8420, 3.6210,
5.9650

32.6830, 18.1510,
28.9910

65.0650, 1.3750,
2.6150

28.5740, 20.0760,
32.6520

69.1740, -0.5500,
-1.0460

■ 27.4000, 20.6260,
33.6980

■ 73.3970, -2.7960,
-4.3960

■ 77.5060, -4.7210,
-8.0570

■ 81.1420, -6.6920,
-10.8840

■ 85.3650, -8.9380,
-14.2340

Harmonies

Analogous

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



48.0720, -8.5300, 11.4220



48.8740, 9.7630, 15.8030



47.5780, 22.2800, 14.7280

Triad

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



48.8740, 9.7630, 15.8030



45.1850, 18.1120, -8.8640



40.1680, -35.9440, -9.3840

Complementary

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



48.8740, 9.7630, 15.8030



55.1260, -9.7630, -15.8030

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.



38.1160, -30.1660, -14.9820



48.8740, 9.7630, 15.8030



43.7210, 4.6790, -13.2170

Square

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



48.8740, 9.7630, 15.8030



46.7610, 25.5380, -0.2700



40.0870, -14.0270, -15.6190



39.8890, -39.2920, -3.7720

Rectangle

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



48.8740, 9.7630, 15.8030



47.2100, 26.1320, 10.9960



40.0870, -14.0270, -15.6190



39.4840, -34.0180, -11.2500

Sweetspot

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



48.8740, 9.7630, 15.8030



81.8420, 3.6210, 5.9650



40.5450, -8.4840, 10.5880



41.1900, 2.5210, 3.8730



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8740, 9.7630, 15.8030



58.4930, 15.6300, 25.1180



47.0500, 14.8990, 10.8270



31.2390, 0.8250, 1.5690



39.0350, 29.5640, 47.9320



90.1180, 68.3410, 110.6210

Inverse Universe

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



48.8740, 9.7630, 15.8030



58.4930, 15.6300, 25.1180



56.9500, -14.8990, -10.8270



31.2390, 0.8250, 1.5690



39.0350, 29.5640, 47.9320



90.1180, 68.3410, 110.6210

Previews

White Background



This preview shows how the YIQ color 48.8740, 9.7630, 15.8030 looks on a white background.

Color Contrast Check

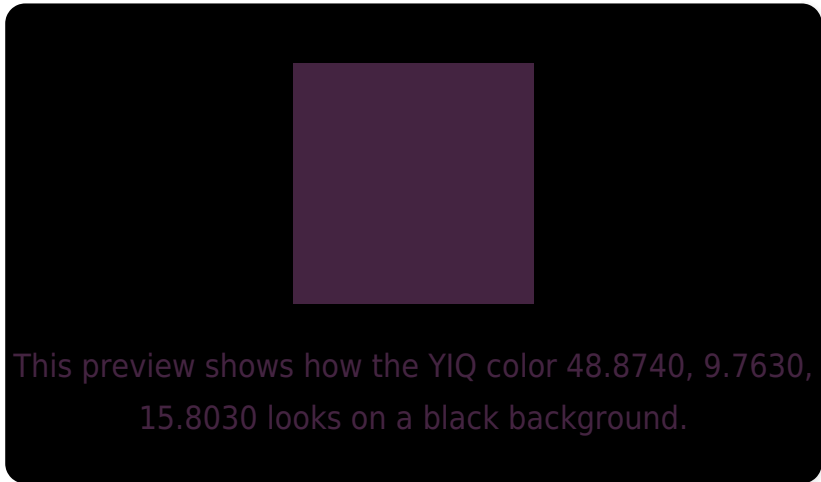
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

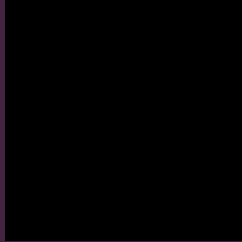
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.8740, 9.7630, 15.8030

Background



This preview shows how black text looks on a background with the YIQ color 48.8740, 9.7630, 15.8030.



This preview shows how white text looks on a background with the YIQ color 48.8740, 9.7630,

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

48.8740, 9.7630, 15.8030

Protanopia

47.3870, -14.0310, 6.4890

Deuteranopia

47.9270, -6.9240, 4.3400



Tritanopia

48.5180, 13.3410, 6.0210

Trichromacy



Original Color

48.8740, 9.7630, 15.8030

Protanomaly

47.9860, -5.4120, 9.9800

Deuteranomaly

48.3840, -0.7810, 8.6510

Tritanomaly

48.5550, 11.9190, 9.7670

Monochromacy



Original Color

48.8740, 9.7630, 15.8030

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

48.8420, 3.6210, 5.9650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.8740, 9.7630, 15.8030 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(68, 36, 65)` looks like.

```
.text, #text, p{  
    color:rgb(68, 36, 65)  
}
```

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(68, 36, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 36, 65) }
```

Border

The CSS property to change the border of an element to YIQ 48.8740, 9.7630, 15.8030 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(68, 36, 65) }
```


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

```
.border{ border-color:rgb(68, 36, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 36, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 36, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 36, 65);  
box-shadow:4px 4px 4px 4px rgb(68, 36, 65)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.8740, 9.7630, 15.8030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 36, 65) }
```

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

```
.background{ background-color: rgb(68, 36,  
65) }
```

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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