

Converting Colors

YIQ(68.8870, 15.7750, -16.0730)

Have a look what the booklet for
YIQ(68.8870, 15.7750, -16.0730)
contains.

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Color

**YIQ(68.8870, 15.7750,
-16.0730)**

Conversions

Conversions Part 1

Format	Color
Hex	4A4B18
RGB	74, 75, 24
RGB Percent	29%, 29%, 9%
CMY	0.7098, 0.7059, 0.9058
CMYK	0.01, 0.00, 0.68, 0.71
HSL	61°, 51%, 19%
HSV	61°, 68%, 29%
XYZ	5.5046, 6.5537, 1.8405
YIQ	68.8870, 15.7750, -16.0730

Conversions

Conversions Part 2

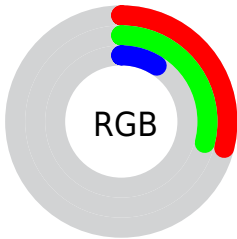
Format	Color
RYB	24, 75, 25
Decimal	4868888
CIELab	30.77, -8.14, 29.31
CIELCh	31, 30.417, 105.522
Yxy	6.5537, 0.3960, 0.4715
Android (android.graphics.Color)	4283058968 (0xFF4A4B18)
YUV	68.8870, -22.1293, 4.4841
Hunter-Lab	25.6003, -6.4192, 13.6577

Details

The YIQ color **68.8870, 15.7750, -16.0730** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **30.1130, -15.7750, 16.0730**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **117.8440, 17.3340, -16.7940**, and **26.5690, 8.1630, -10.2770** is the 20% darker color. If you saturate the color by 10%, you get **68.0890, 18.0220, -18.2500**, and if you desaturate by 10%, it is **69.7990, 13.2070, -13.5850**.

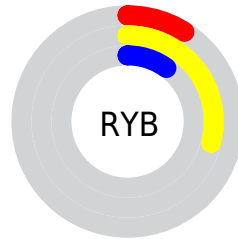
Distribution



 Red (29%)

 Green (29%)

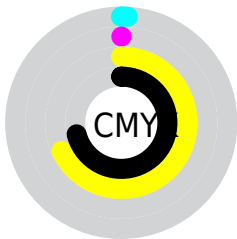
 Blue (9%)



 Red (9%)

 Yellow (29%)

 Blue (10%)

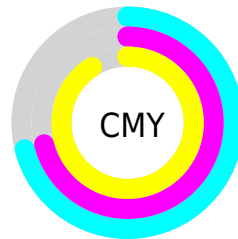


 Cyan (1%)

 Magenta (0%)

 Yellow (68%)

 Black (71%)



 Cyan (71%)

 Magenta (71%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.8870, 15.7750, -16.0730 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 68.8870, 15.7750, -16.0730 by changing the saturation by 10% instead.

68.8870, 15.7750,
-16.0730

68.8870, 15.7750,
-16.0730

255.0000, -0.0000,
-0.0000

45.7730, 16.0960,
-16.3840

117.8440, 17.3340,
-16.7940

26.5690, 8.1630,
-10.2770

143.3280, 18.8470,
-16.6810

2.9350, -1.3750,
-2.6150

170.1000, 19.4890,
-17.3030

0.0000, 0.0000,
0.0000

197.2850, 20.4060,
-17.4020

225.1710, 20.7270,
-17.7130

248.7300, 17.6550,

-17.1050

■ 251.9220, 8.6670,
-8.3970

■ 68.8870, 15.7750,
-16.0730

■ 68.8870, 15.7750,
-16.0730

■ 68.0890, 18.0220,
-18.2500

■ 69.7990, 13.2070,
-13.5850

■ 67.1770, 20.5900,
-20.7380

■ 70.5970, 10.9600,
-11.4080

■ 66.3790, 22.8370,
-22.9150

■ 71.5090, 8.3920,
-8.9200

■ 66.1510, 23.4790,
-23.5370

■ 72.6060, 6.7410,
-6.5310

■ 73.5180, 4.1730,
-4.0430

■ 74.3160, 1.9260,
-1.8660

■ 75.2280, -0.6420,
0.6220

■ 76.0260, -2.8890,
2.7990

■ 76.9380, -5.4570,
5.2870

Harmonies

Analogous

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



70.8830, 30.7660, -6.9140



68.8870, 15.7750, -16.0730



65.3450, -6.1860, -20.0580

Triad

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



68.8870, 15.7750, -16.0730



60.8050, -56.8510, -10.4430



73.6910, 23.7000, 22.0360

Complementary

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



68.8870, 15.7750, -16.0730



30.1130, -15.7750, 16.0730

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.



74.8010, 2.8390, 20.1430



68.8870, 15.7750, -16.0730



59.2380, -59.3280, -4.0960

Square

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



68.8870, 15.7750, -16.0730



58.8840, -50.0640, -17.8080



71.2750, -25.2190, 11.0130



72.4610, 35.8510, 16.5790

Rectangle

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



68.8870, 15.7750, -16.0730



60.9280, -27.0010, -22.7850



71.2750, -25.2190, 11.0130



74.2820, 17.6020, 22.4180

Sweetspot

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



68.8870, 15.7750, -16.0730



94.8340, 6.0990, -5.9090



39.8360, 30.1210, 10.2890



46.7460, 3.5310, -3.4210



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



68.8870, 15.7750, -16.0730



87.2820, 24.4880, -25.3040



61.4120, 0.8750, -21.3730



37.5440, 1.2840, -1.2440



89.7740, 31.5500, -32.1460



202.2850, 70.8500, -72.5900

Inverse Universe

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



30.1130, -15.7750, 16.0730



26.7180, -24.4880, 25.3040



37.5880, -0.8750, 21.3730



34.7550, -0.6880, 1.4560



12.2260, -31.5500, 32.1460



27.7150, -70.8500, 72.5900

Previews

White Background



This preview shows how the YIQ color 68.8870, 15.7750, -16.0730 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



This preview shows how the YIQ color 68.8870, 15.7750, -16.0730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

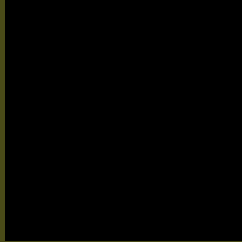
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

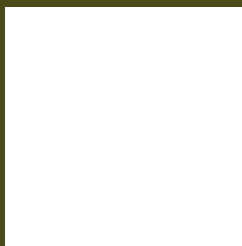
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 68.8870, 15.7750, -16.0730

Background



This preview shows how black text looks on a background with the YIQ color 68.8870, 15.7750, -16.0730.



This preview shows how white text looks on a background with the YIQ color 68.8870, 15.7750,

-16.0730.

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

68.8870, 15.7750, -16.0730

Protanopia

69.6920, 20.8180, -13.8540

Deuteranopia

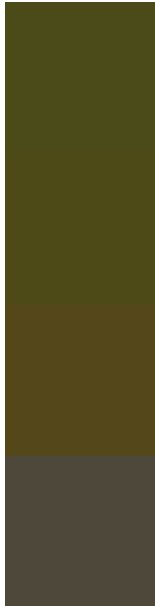
70.3770, 26.3190, -8.9210



Tritanopia

73.3750, 3.4380, 3.7740

Trichromacy



Original Color

68.8870, 15.7750, -16.0730

Protanomaly

69.3820, 18.7550, -15.0130

Deuteranomaly

69.6430, 22.5140, -11.5500

Tritanomaly

71.7850, 7.7950, -3.6050

Monochromacy



Original Color

68.8870, 15.7750, -16.0730

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.9480, 5.7780, -5.5980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.8870, 15.7750, -16.0730 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(74, 75, 24)` looks like.

```
.text, #text, p{  
    color:rgb(74, 75, 24)  
}
```

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(74, 75, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 75, 24) }
```

Border

The CSS property to change the border of an element to YIQ 68.8870, 15.7750, -16.0730 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(74, 75, 24) }
```


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

```
.border{ border-color:rgb(74, 75, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 75, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 75, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 75, 24);  
box-shadow:4px 4px 4px 4px rgb(74, 75, 24)  
}
```

Background

The CSS property to change the background color of an element to YIQ 68.8870, 15.7750, -16.0730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 75, 24) }
```

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

```
.background{ background-color: rgb(74, 75,  
24) }
```

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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