

Converting Colors

YIQ(75.9730, -49.2370,
-27.2930)

Have a look what the booklet for
YIQ(75.9730, -49.2370, -27.2930)
contains.

YIQ(75.9730, -49.2370, -27.2930)	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(75.9730, -49.2370,
-27.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	0C6B54
RGB	12, 107, 84
RGB Percent	5%, 42%, 33%
CMY	0.9532, 0.5802, 0.6708
CMYK	0.89, 0.00, 0.22, 0.58
HSL	165°, 80%, 23%
HSV	165°, 89%, 42%
XYZ	7.0111, 11.2408, 10.1784
YIQ	75.9730, -49.2370, -27.2930

Conversions

Conversions Part 2

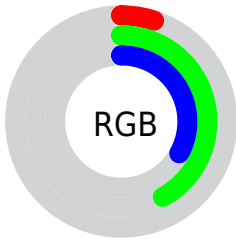
Format	Color
RYB	12, 66, 107
Decimal	813908
CIELab	39.98, -31.61, 5.75
CIELCh	40, 32.132, 169.684
Yxy	11.2408, 0.2466, 0.3954
Android (android.graphics.Color)	4279003988 (0xFF0C6B54)
YUV	75.9730, 3.9573, -56.1043
Hunter-Lab	33.5273, -21.3457, 5.4696

Details

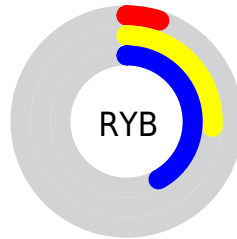
The YIQ color **75.9730, -49.2370, -27.2930** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **43.0270, 49.2370, 27.2930**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **131.3330, -41.4430, -25.3710**, and **39.0790, -28.7440, -18.7280** is the 20% darker color. If you saturate the color by 10%, you get **72.3420, -54.8300, -30.5580**, and if you desaturate by 10%, it is **79.6040, -43.6440, -24.0280**.

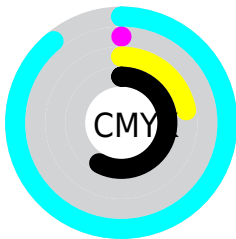
Distribution



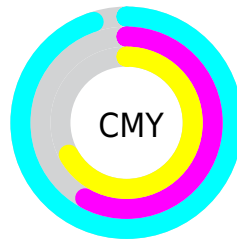
- Red (5%)
- Green (42%)
- Blue (33%)



- Red (5%)
- Yellow (26%)
- Blue (42%)



- Cyan (89%)
- Magenta (0%)
- Yellow (22%)
- Black (58%)



- Cyan (95%)
- Magenta (58%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 75.9730, -49.2370, -27.2930 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 75.9730, -49.2370, -27.2930 by changing the saturation by 10% instead.

■ 75.9730, -49.2370,
-27.2930

■ 75.9730, -49.2370,
-27.2930

■ 255.0000, -0.0000,
-0.0000

■ 55.0880, -42.1310,
-23.9150

■ 131.2190,
-41.1220, -25.6820

■ 39.0790, -28.7440,
-18.7280

■ 158.5180,
-40.5260, -25.4700

■ 23.8850, -16.2740,
-13.4420

■ 186.1050,
-40.8010, -25.9930

■ 0.0000, 0.0000,
0.0000

■ 214.5780,
-40.7550, -26.8270

■ 233.3000,
-36.6760, -18.1480

■ 243.3390,

-23.2440, -8.2680

252.0100, -5.9600,
-2.1200

75.9730, -49.2370,
-27.2930

75.9730, -49.2370,
-27.2930

72.3420, -54.8300,
-30.5580

79.6040, -43.6440,
-24.0280

72.0430, -55.4260,
-30.7700

82.8220, -38.3260,
-21.2860

86.4530, -32.7330,
-18.0210

89.9700, -26.8190,
-15.0670

93.3020, -21.8220,
-12.0140

■ 96.9330, -16.2290,
-8.7490

■ 100.4500,
-10.3150, -5.7950

■ 104.0810, -4.7220,
-2.5300

■ 107.2990, 0.5960,
0.2120

Harmonies

Analogous

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



86.3120, -10.5870, -22.8990



75.9730, -49.2370, -27.2930



76.0500, -65.3310, -21.9630

Triad

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



75.9730, -49.2370, -27.2930



94.3510, -22.3770, 14.5750



93.8940, 41.4010, 4.0970

Complementary

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



75.9730, -49.2370, -27.2930



43.0270, 49.2370, 27.2930

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.



94.7990, 40.7110, 16.6070



75.9730, -49.2370, -27.2930



97.4210, 6.9650, 22.4610

Square

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



75.9730, -49.2370, -27.2930



80.9110, -62.7210, -3.1770



95.9690, 28.7890, 23.4210



92.9000, 32.0960, -8.9920

Rectangle

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



75.9730, -49.2370, -27.2930



76.7000, -69.9170, -15.9410



95.9690, 28.7890, 23.4210



94.1270, 42.3630, 8.6910

Sweetspot

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



75.9730, -49.2370, -27.2930



127.6120, -19.7590, -10.8550



74.9410, -11.8210, -44.5970



63.8520, -11.5070, -6.2190



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



75.9730, -49.2370, -27.2930



94.2640, -72.5260, -40.2540



64.5070, -50.0200, -7.5880



51.9780, -2.9340, -1.8940



78.8250, -60.7440, -33.5120



164.9050, -126.7600, -70.6000

Inverse Universe

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



43.0270, 49.2370, 27.2930



45.7360, 72.5260, 40.2540



54.4930, 50.0200, 7.5880



49.9080, 3.2550, 1.5830



38.1750, 60.7440, 33.5120



79.9810, 127.0810, 70.2890

Previews

White Background



This preview shows how the YIQ color 75.9730, -49.2370, -27.2930 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 × Fail

Black Background



This preview shows how the YIQ color 75.9730, -49.2370, -27.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

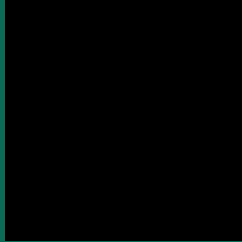
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 75.9730, -49.2370, -27.2930

Background



This preview shows how black text looks on a background with the YIQ color 75.9730, -49.2370, -27.2930.



This preview shows how white text looks on a background with the YIQ color 75.9730, -49.2370,

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

75.9730, -49.2370, -27.2930

Protanopia

93.5570, 8.4370, -4.2270

Deuteranopia

94.8440, 9.3070, 2.0350



Tritanopia

83.6940, -43.4170, -11.6170

Trichromacy



Original Color

75.9730, -49.2370, -27.2930

Protanomaly

87.2660, -12.9730, -12.6930

Deuteranomaly

88.0860, -12.2860, -8.6220

Tritanomaly

80.7490, -45.2500, -16.9460

Monochromacy



Original Color

75.9730, -49.2370, -27.2930

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

75.9220, -17.6960, -9.6960

CSS Examples

Text

The CSS property to change the color of the text to YIQ 75.9730, -49.2370, -27.2930 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(12, 107, 84)` looks like.

```
.text, #text, p{  
    color:rgb(12, 107, 84)  
}
```

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(12, 107, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 107, 84) }
```

Border

The CSS property to change the border of an element to YIQ 75.9730, -49.2370, -27.2930 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(12, 107, 84) }
```


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

```
.border{ border-color:rgb(12, 107, 84) }
```

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

Here you see how a box with a 4 pixel rgb(12, 107, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 107, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 107, 84);  
box-shadow:4px 4px 4px 4px rgb(12, 107,  
84) }
```

Background

The CSS property to change the background color of an element to YIQ 75.9730, -49.2370, -27.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 107, 84) }
```

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

```
.background{ background-color: rgb(12, 107,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor