

# Converting Colors

YIQ(75.0660, 25.9970, -3.0830)

Have a look what the booklet for  
YIQ(75.0660, 25.9970, -3.0830)  
contains.

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# Color

**YIQ(75.0660, 25.9970,  
-3.0830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	624629
RGB	98, 70, 41
RGB Percent	38%, 27%, 16%
CMY	0.6156, 0.7255, 0.8391
CMYK	0.00, 0.29, 0.58, 0.62
HSL	30°, 41%, 27%
HSV	30°, 58%, 38%
XYZ	7.6286, 7.1365, 3.0762
YIQ	75.0660, 25.9970, -3.0830

# Conversions

## Conversions Part 2

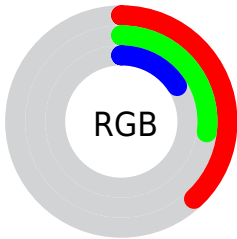
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 98, 41
Decimal	6440489
CIELab	32.12, 8.28, 22.04
CIELCh	32, 23.549, 69.409
Yxy	7.1365, 0.4276, 0.4000
Android (android.graphics.Color)	4284630569 (0xFF624629)
YUV	75.0660, -16.7945, 20.1131
Hunter-Lab	26.7143, 4.2227, 11.8727

# Details

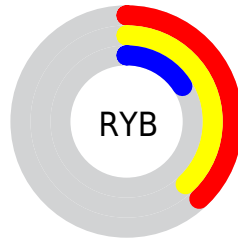
The YIQ color **75.0660, 25.9970, -3.0830** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **63.9340, -25.9970, 3.0830**, and the grayscale version is **75.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **124.3330, 29.6190, -2.6450**, and **30.7990, 22.3750, -3.5210** is the 20% darker color. If you saturate the color by 10%, you get **70.9910, 30.5820, -3.5780**, and if you desaturate by 10%, it is **79.1410, 21.4120, -2.5880**.

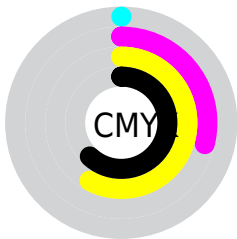
# Distribution



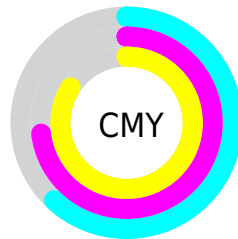
- Red (38%)
- Green (27%)
- Blue (16%)



- Red (38%)
- Yellow (38%)
- Blue (16%)



- Cyan (0%)
- Magenta (29%)
- Yellow (58%)
- Black (62%)



- Cyan (62%)
- Magenta (73%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.0660, 25.9970, -3.0830 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 75.0660, 25.9970, -3.0830 by changing the saturation by 10% instead.



■ 75.0660, 25.9970,  
-3.0830

■ 75.0660, 25.9970,  
-3.0830

■ 255.0000, -0.0000,  
-0.0000

■ 52.2830, 23.8880,  
-3.4080

■ 124.3330, 29.6190,  
-2.6450

■ 30.7990, 22.3750,  
-3.5210

■ 150.5180, 30.5360,  
-2.7440

■ 8.3610, 15.2210,  
4.9890

■ 177.0020, 32.0490,  
-2.6310

■ 0.0000, 0.0000,  
0.0000

■ 205.0730, 33.2870,  
-3.0410

■ 230.6810, 28.5190,  
-4.7370

■ 250.3090, 11.8310,

-10.6730

254.0880, 2.5680,  
-2.4880

75.0660, 25.9970,  
-3.0830

75.0660, 25.9970,  
-3.0830

70.9910, 30.5820,  
-3.5780

79.1410, 21.4120,  
-2.5880

66.9160, 35.1670,  
-4.0730

83.2160, 16.8270,  
-2.0930

63.5420, 39.1560,  
-4.7800

86.5900, 12.8380,  
-1.3860

59.4670, 43.7410,  
-5.2750

90.6650, 8.2530,  
-0.8910

58.6520, 44.6580,  
-5.3740

94.7400, 3.6680,  
-0.3960

■ 98.8150, -0.9170,  
0.0990

■ 102.8900, -5.5020,  
0.5940

■ 106.8510, -9.7660,  
0.7780

■ 110.3390,  
-14.0760, 1.7960

# Harmonies

## Analogous

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



76.2010, 30.3510, 6.1190



75.0660, 25.9970, -3.0830



73.4620, 15.7740, -10.5460

# Triad

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



75.0660, 25.9970, -3.0830



59.1290, -49.3760, -19.2640



77.7740, -1.6990, 14.2770

# Complementary

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



75.0660, 25.9970, -3.0830



63.9340, -25.9970, 3.0830

# 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.



73.8360, -22.6050, 7.6910



75.0660, 25.9970, -3.0830



60.4800, -54.5580, -13.4540

# Square

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



75.0660, 25.9970, -3.0830



67.7380, -20.3540, -16.5940



65.4690, -46.8570, -4.3370



77.9240, 15.4940, 16.5660



# Rectangle

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



75.0660, 25.9970, -3.0830



72.3790, 5.6420, -14.1500



65.4690, -46.8570, -4.3370



77.0120, -8.3010, 12.7790

# Sweetspot

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



75.0660, 25.9970, -3.0830



119.0350, 10.0870, -1.0890



61.3490, 24.6630, 21.1030



58.4090, 6.0980, -0.3820



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000



# Same Dimension

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



75.0660, 25.9970, -3.0830



91.9120, 40.9900, -4.9780



91.5020, 18.2970, -17.7270



46.3700, 1.8340, -0.1980



66.9470, 51.0770, -6.0670



143.3740, 109.4900, -12.9260



# Inverse Universe

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



63.9340, -25.9970, 3.0830



74.0880, -40.9900, 4.9780



47.4980, -18.2970, 17.7270



45.6300, -1.8340, 0.1980



45.0530, -51.0770, 6.0670



96.6260, -109.4900, 12.9260



# Previews

## White Background



This preview shows how the YIQ color 75.0660, 25.9970, -3.0830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

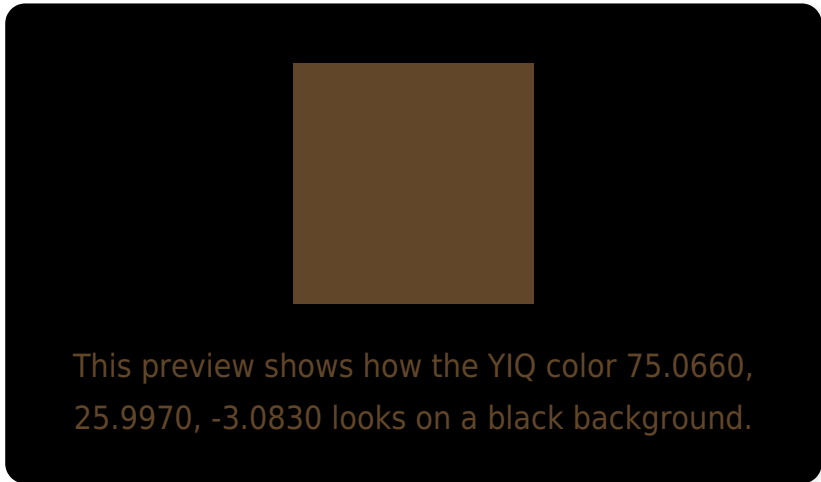
Any Text WCAG AA ✓ Pass

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

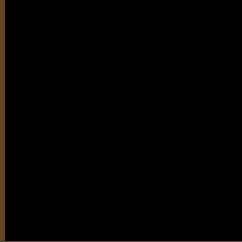
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 75.0660, 25.9970, -3.0830**

## **Background**



This preview shows how black text looks on a background with the YIQ color 75.0660, 25.9970, -3.0830.



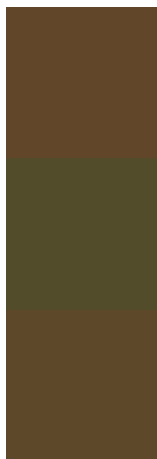
This preview shows how white text looks on a background with the YIQ color 75.0660, 25.9970,

-3.0830.

# 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

75.0660, 25.9970, -3.0830

### Protanopia

74.3310, 14.7650, -8.7790

### Deuteranopia

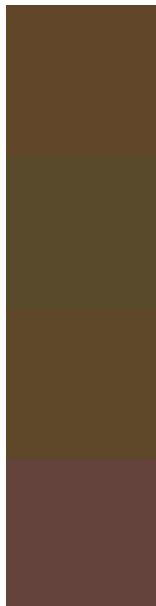
74.7450, 22.4670, -5.1890



## Tritanopia

76.7360, 18.6590, 8.7630

# Trichromacy



## Original Color

75.0660, 25.9970, -3.0830

## Protanomaly

74.5380, 18.6160, -6.9840

## Deuteranomaly

74.7560, 23.9340, -4.2420

## Tritanomaly

75.7700, 21.3190, 4.6070

# Monochromacy



## Original Color

75.0660, 25.9970, -3.0830

## Achromatopsia

75.0000, -0.0000, -0.0000

## Achromatomaly

74.8500, 9.1700, -0.9900

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.0660, 25.9970, -3.0830 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(98, 70, 41)` looks like.

```
.text, #text, p{  
    color:rgb(98, 70, 41)  
}
```

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(98, 70, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 70, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 75.0660, 25.9970, -3.0830 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(98, 70, 41) }
```



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

```
.border{ border-color:rgb(98, 70, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 70, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 70, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 70, 41);  
box-shadow:4px 4px 4px 4px rgb(98, 70, 41)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 75.0660, 25.9970, -3.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 70, 41) }
```

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

```
.background{ background-color: rgb(98, 70,  
41) }
```

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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