

# Converting Colors

YIQ(72.6250, 22.9250, -2.4750)

Have a look what the booklet for  
YIQ(72.6250, 22.9250, -2.4750)  
contains.

<b>YIQ(72.6250, 22.9250, -2.4750)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(72.6250, 22.9250,  
-2.4750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5D442B
RGB	93, 68, 43
RGB Percent	36%, 27%, 17%
CMY	0.6353, 0.7334, 0.8313
CMYK	0.00, 0.27, 0.54, 0.64
HSL	30°, 37%, 27%
HSV	30°, 54%, 36%
XYZ	7.0184, 6.6353, 3.1990
YIQ	72.6250, 22.9250, -2.4750

# Conversions

## Conversions Part 2

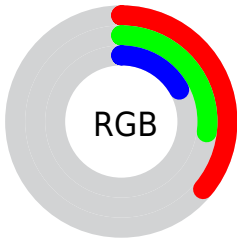
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 93, 43
Decimal	6112299
CIELab	30.96, 7.34, 19.25
CIElCh	31, 20.608, 69.121
Yxy	6.6353, 0.4165, 0.3937
Android (android.graphics.Color)	4284302379 (0xFF5D442B)
YUV	72.6250, -14.6051, 17.8689
Hunter-Lab	25.7591, 3.5559, 10.6681




# Details

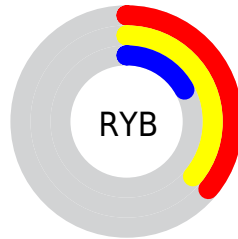
The YIQ color **72.6250, 22.9250, -2.4750** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **63.3750, -22.9250, 2.4750**, and the grayscale version is **73.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **121.5930, 25.9510, -2.2490**, and **28.4290, 20.5410, -3.3230** is the 20% darker color. If you saturate the color by 10%, you get **68.6640, 27.1890, -2.6590**, and if you desaturate by 10%, it is **76.5860, 18.6610, -2.2910**.

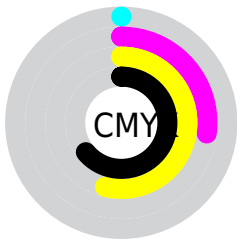
# Distribution







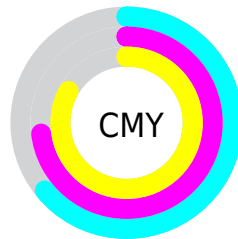
-  Red (36%)
-  Green (27%)
-  Blue (17%)






-  Red (36%)
-  Yellow (36%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (27%)
-  Yellow (54%)
-  Black (64%)



-  Cyan (64%)
-  Magenta (73%)
-  Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.6250, 22.9250, -2.4750 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 72.6250, 22.9250, -2.4750 by changing the saturation by 10% instead.



■ 72.6250, 22.9250,  
-2.4750

■ 72.6250, 22.9250,  
-2.4750

■ 255.0000, -0.0000,  
-0.0000

■ 49.8420, 20.8160,  
-2.8000

■ 121.5930, 25.9510,  
-2.2490

■ 28.4290, 20.5410,  
-3.3230

■ 147.7780, 26.8680,  
-2.3480

■ 6.2790, 12.5160,  
4.4520

■ 174.2620, 28.3810,  
-2.2350

■ 0.0000, 0.0000,  
0.0000

■ 201.5610, 28.9770,  
-2.0230

■ 229.1480, 28.7020,  
-2.5460

■ 249.3630, 11.7390,

-9.0050

254.3160, 1.9260,  
-1.8660

72.6250, 22.9250,  
-2.4750

72.6250, 22.9250,  
-2.4750

68.6640, 27.1890,  
-2.6590

76.5860, 18.6610,  
-2.2910

65.1760, 31.4990,  
-3.6770

80.0740, 14.3510,  
-1.2730

61.2150, 35.7630,  
-3.8610

84.0350, 10.0870,  
-1.0890

57.2540, 40.0270,  
-4.0450

87.9960, 5.8230,  
-0.9050

54.8090, 42.7780,  
-4.3420

91.4840, 1.5130,  
0.1130

■ 95.4450, -2.7510,  
0.2970

■ 99.4060, -7.0150,  
0.4810

■ 102.7800,  
-11.0040, 1.1880

■ 106.8550,  
-15.5890, 1.6830

# Harmonies

## Analogous

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



73.5210, 26.4540, 5.1580



72.6250, 22.9250, -2.4750



71.1460, 13.8480, -8.6800

# Triad

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



72.6250, 22.9250, -2.4750



62.2940, -36.5390, -15.1230



74.7200, -1.6070, 12.6090

# Complementary

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



72.6250, 22.9250, -2.4750



63.3750, -22.9250, 2.4750

# 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.



72.0490, -18.8910, 6.4610



72.6250, 22.9250, -2.4750



59.3450, -49.7440, -12.5920

# Square

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



72.6250, 22.9250, -2.4750



66.7600, -17.4200, -14.7000



66.1990, -37.2290, -2.6130



75.0870, 13.4770, 14.5730



# Rectangle

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



72.6250, 22.9250, -2.4750



70.2480, 4.6330, -12.3830



66.1990, -37.2290, -2.6130



74.1430, -7.2920, 11.0120

# Sweetspot

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



72.6250, 22.9250, -2.4750



111.9640, 8.8490, -0.6790



60.9140, 21.4540, 18.6860



56.2240, 5.1810, -0.2830



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



72.6250, 22.9250, -2.4750



88.3290, 35.4420, -3.5500



86.7130, 16.3250, -15.0270



44.2560, 2.1550, -0.5090



65.1750, 50.4350, -5.4450



140.1290, 108.8020, -11.4700



# Inverse Universe

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



63.3750, -22.9250, 2.4750



74.6710, -35.4420, 3.5500



49.2870, -16.3250, 15.0270



43.3310, -2.4300, -0.0140



44.8250, -50.4350, 5.4450



96.8710, -108.8020, 11.4700



# Previews

## White Background



This preview shows how the YIQ color 72.6250, 22.9250, -2.4750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

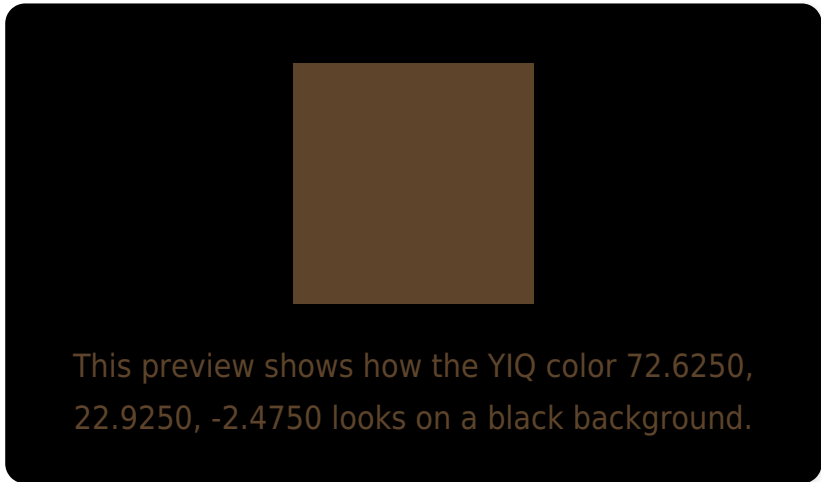
Any Text WCAG AA ✓ Pass

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

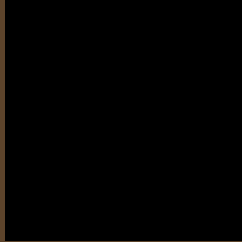
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.6250, 22.9250, -2.4750**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.6250, 22.9250, -2.4750.



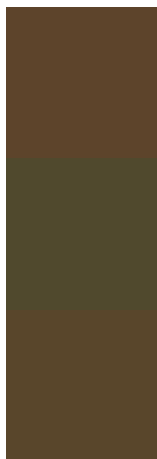
This preview shows how white text looks on a background with the YIQ color 72.6250, 22.9250,

-2.4750.

# 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

72.6250, 22.9250, -2.4750

### Protanopia

71.9010, 13.1600, -7.2240

### Deuteranopia

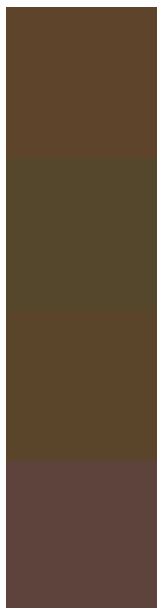
72.6030, 19.9910, -4.3690



## Tritanopia

74.5400, 16.2750, 7.9150

# Trichromacy



## Original Color

72.6250, 22.9250, -2.4750

## Protanomaly

72.1080, 17.0110, -5.4290

## Deuteranomaly

72.3150, 20.8620, -3.6340

## Tritanomaly

73.6880, 18.6140, 4.0700

# Monochromacy



## Original Color

72.6250, 22.9250, -2.4750

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

72.6650, 8.2530, -0.8910

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.6250, 22.9250, -2.4750 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(93, 68, 43)` looks like.

```
.text, #text, p{  
    color:rgb(93, 68, 43)  
}
```

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(93, 68, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 68, 43) }
```

## Border

The CSS property to change the border of an element to YIQ 72.6250, 22.9250, -2.4750 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(93, 68, 43) }
```



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

```
.border{ border-color:rgb(93, 68, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 68, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 68, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 68, 43);  
box-shadow:4px 4px 4px 4px rgb(93, 68, 43)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 72.6250, 22.9250, -2.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 68, 43) }
```

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

```
.background{ background-color: rgb(93, 68,  
43) }
```

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