

# Converting Colors

YIQ(62.5030, -7.5250, 31.7630)

Have a look what the booklet for  
YIQ(62.5030, -7.5250, 31.7630)  
contains.

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# Color

**YIQ(62.5030, -7.5250,  
31.7630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B2C7D
RGB	75, 44, 125
RGB Percent	29%, 17%, 49%
CMY	0.7057, 0.8275, 0.5099
CMYK	0.40, 0.65, 0.00, 0.51
HSL	263°, 48%, 33%
HSV	263°, 65%, 49%
XYZ	7.5045, 4.7776, 19.9208
YIQ	62.5030, -7.5250, 31.7630

# Conversions

## Conversions Part 2

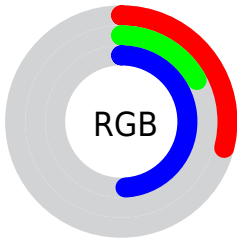
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 44, 125
Decimal	4926589
CIE <sub>Lab</sub>	26.09, 33.07, -40.97
CIE <sub>LCh</sub>	26, 52.651, 308.914
Yxy	4.7776, 0.2330, 0.1484
Android (android.graphics.Color)	4283116669 (0xFF4B2C7D)
YUV	62.5030, 30.8110, 10.9599
Hunter-Lab	21.8577, 23.0340, -38.7355

# Details

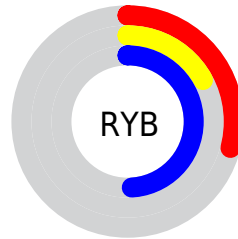
The YIQ color **62.5030, -7.5250, 31.7630** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **106.4970, 7.5250, -31.7630**, and the grayscale version is **62.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **111.9810, -5.8750, 34.9010**, and **15.1280, -10.9630, 27.9890** is the 20% darker color. If you saturate the color by 10%, you get **52.4800, -8.7180, 36.8660**, and if you desaturate by 10%, it is **71.9390, -6.0570, 27.1830**.

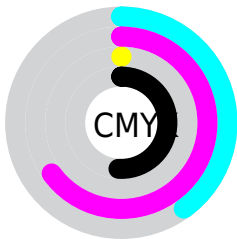
# Distribution



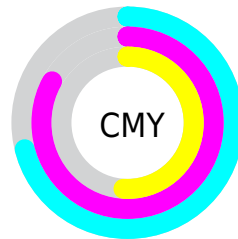
- Red (29%)
- Green (17%)
- Blue (49%)



- Red (29%)
- Yellow (17%)
- Blue (49%)



- Cyan (40%)
- Magenta (65%)
- Yellow (0%)
- Black (51%)



- Cyan (71%)
- Magenta (83%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 62.5030, -7.5250, 31.7630 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 62.5030, -7.5250, 31.7630 by changing the saturation by 10% instead.



62.5030, -7.5250,  
31.7630

62.5030, -7.5250,  
31.7630

255.0000, -0.0000,  
-0.0000

38.3780, -8.6710,  
30.5050

111.9810, -5.8750,  
34.9010

15.1280, -10.9630,  
27.9890

138.5080, -5.9210,  
35.7350

5.9280, -16.6920,  
16.1720

164.4480, -5.6920,  
37.0920

4.5940, -10.1800,  
8.2840

191.3620, -2.5740,  
35.6500

0.0000, 0.0000,  
0.0000

216.4690, 7.0100,  
27.1540

237.3900, 8.2500,

15.6900

254.4130, 0.2750,  
0.5230

■ 62.5030, -7.5250,  
31.7630

■ 62.5030, -7.5250,  
31.7630

■ 52.4800, -8.7180,  
36.8660

■ 71.9390, -6.0570,  
27.1830

■ 43.3430, -9.5900,  
41.6580

■ 81.6630, -5.4600,  
21.8680

■ 33.3200, -10.7830,  
46.7610

■ 91.0990, -3.9920,  
17.2880

■ 28.6020, -11.5170,  
49.0510

■ 101.1220, -2.7990,  
12.1850

■ 110.5580, -1.3310,  
7.6050

■ 120.2820, -0.7340,  
2.2900

■ 129.7180, 0.7340,  
-2.2900

■ 139.7410, 1.9270,  
-7.3930

■ 148.8780, 2.7990,  
-12.1850

# Harmonies

## Analogous

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



53.1690, -62.9070, 11.2130



62.5030, -7.5250, 31.7630



52.4010, 37.2210, 46.8290

# Triad

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



62.5030, -7.5250, 31.7630



58.3640, 45.5290, -4.6390



54.1080, -44.8830, -18.0910

# Complementary

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



62.5030, -7.5250, 31.7630



106.4970, 7.5250, -31.7630

# 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.



48.7330, -31.1260, -30.6300



62.5030, -7.5250, 31.7630



57.3020, 21.7360, -19.4800

# Square

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



62.5030, -7.5250, 31.7630



51.9340, 62.2600, 17.0440



47.3470, -9.6680, -34.0520



58.5540, -57.4020, -5.9620



# Rectangle

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



62.5030, -7.5250, 31.7630



45.6820, 55.4230, 47.3510



47.3470, -9.6680, -34.0520



52.5120, -40.3890, -22.4450

# Sweetspot

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



62.5030, -7.5250, 31.7630



139.1220, -2.7990, 12.1850



82.5840, -39.7510, -0.9590



67.2590, -1.9270, 7.3930



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



62.5030, -7.5250, 31.7630



65.1290, -11.5630, 49.8850



74.7620, 16.9110, 40.4550



58.6950, -0.4590, 2.8130



29.2430, -11.8840, 50.1960



0.0000, 0.0000, 0.0000



# Inverse Universe

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



73.9190, 32.2260, 32.7220



82.8650, 50.6540, 51.1820



94.2380, -16.9110, -40.4550



59.5490, 2.8880, 2.7280



47.2780, 50.9290, 51.7050

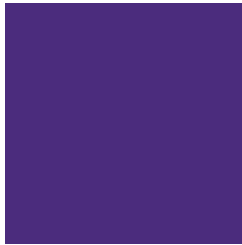


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 62.5030, -7.5250, 31.7630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

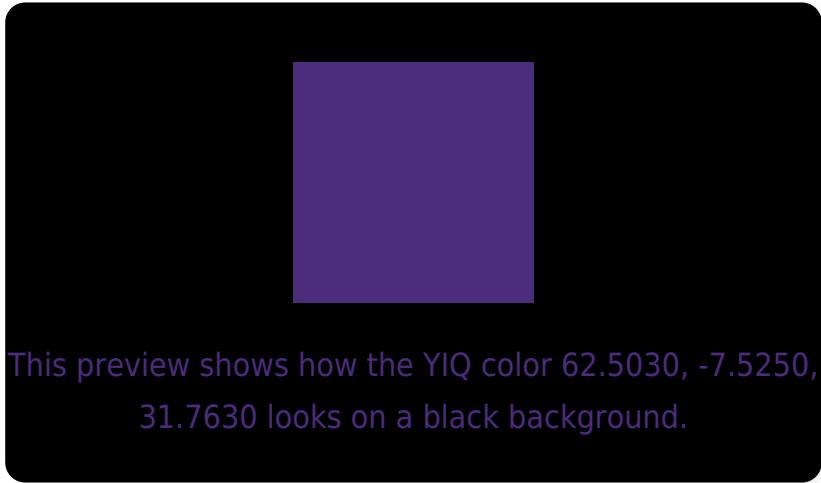
Any Text WCAG AA ✓ Pass

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

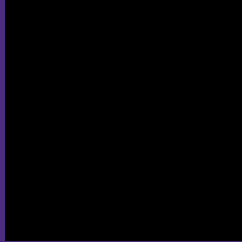
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 62.5030, -7.5250, 31.7630**

## **Background**



This preview shows how black text looks on a background with the YIQ color 62.5030, -7.5250, 31.7630.



This preview shows how white text looks on a background with the YIQ color 62.5030, -7.5250,



# 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

62.5030, -7.5250, 31.7630

### Protanopia

49.6980, -57.2670, 8.1170

### Deuteranopia

50.2220, -53.2310, 1.0490



## Tritanopia

62.5700, -1.6050, 1.5550

# Trichromacy



## Original Color

62.5030, -7.5250, 31.7630

## Protanomaly

54.1350, -39.2040, 16.6680

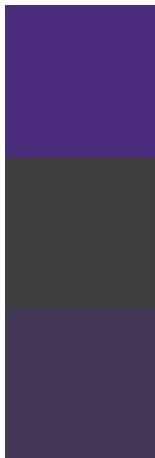
## Deuteranomaly

54.7560, -36.8190, 11.9890

## Tritanomaly

62.3500, -3.4410, 12.8070

# Monochromacy



## Original Color

62.5030, -7.5250, 31.7630

## Achromatopsia

63.0000, 0.0000, 0.0000

## Achromatomaly

62.7090, -3.0740, 11.6620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 62.5030, -7.5250, 31.7630 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(75, 44, 125)` looks like.

```
.text, #text, p{  
    color:rgb(75, 44, 125)  
}
```

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(75, 44, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 44, 125) }
```

## Border

The CSS property to change the border of an element to YIQ 62.5030, -7.5250, 31.7630 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(75, 44, 125) }
```



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

```
.border{ border-color:rgb(75, 44, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 44, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 44, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 44, 125);  
box-shadow:4px 4px 4px 4px rgb(75, 44,  
125) }
```

# Background

The CSS property to change the background color of an element to YIQ 62.5030, -7.5250, 31.7630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 44, 125) }
```

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

```
.background{ background-color: rgb(75, 44,  
125) }
```

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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