

# Converting Colors

YIQ(70.5500, -24.0750, 23.3250)

Have a look what the booklet for  
YIQ(70.5500, -24.0750, 23.3250)  
contains.

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# Color

**YIQ(70.5500, -24.0750,  
23.3250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3E3E89
RGB	62, 62, 137
RGB Percent	24%, 24%, 54%
CMY	0.7568, 0.7569, 0.4629
CMYK	0.55, 0.55, 0.00, 0.46
HSL	240°, 38%, 39%
HSV	240°, 55%, 54%
XYZ	8.2225, 6.2748, 24.4300
YIQ	70.5500, -24.0750, 23.3250

# Conversions

## Conversions Part 2

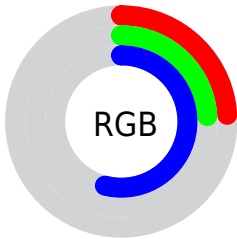
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 62, 137
Decimal	4079241
CIELab	30.10, 22.45, -42.06
CIElCh	30, 47.672, 298.093
Yxy	6.2748, 0.2112, 0.1612
Android (android.graphics.Color)	4282269321 (0xFF3E3E89)
YUV	70.5500, 32.7599, -7.4983
Hunter-Lab	25.0496, 14.7560, -40.2888

# Details

The YIQ color **70.5500, -24.0750, 23.3250** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **128.4500, 24.0750, -23.3250**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **121.0280, -22.4250, 26.4630**, and **21.5440, -33.1060, 16.2860** is the 20% darker color. If you saturate the color by 10%, you get **58.1460, -28.5690, 27.6790**, and if you desaturate by 10%, it is **82.9540, -19.5810, 18.9710**.

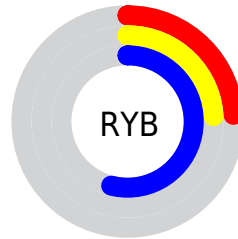
# Distribution



Red (24%)

Green (24%)

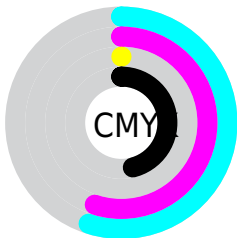
Blue (54%)



Red (24%)

Yellow (24%)

Blue (54%)

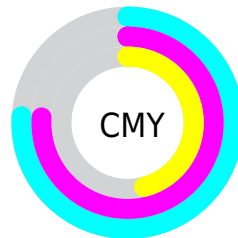


Cyan (55%)

Magenta (55%)

Yellow (0%)

Black (46%)



Cyan (76%)

Magenta (76%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.5500, -24.0750, 23.3250 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 70.5500, -24.0750, 23.3250 by changing the saturation by 10% instead.



■ 70.5500, -24.0750,  
23.3250

■ 70.5500, -24.0750,  
23.3250

■ 255.0000, -0.0000,  
-0.0000

■ 46.3000, -26.3670,  
20.8090

■ 121.0280,  
-22.4250, 26.4630

■ 21.5440, -33.1060,  
16.2860

■ 146.9680,  
-22.1960, 27.8200

■ 7.1820, -20.2230,  
19.5930

■ 173.6090,  
-22.5630, 28.9650

■ 6.3210, -13.6650,  
10.8710

■ 198.9270,  
-14.9510, 23.1690

■ 2.5250, -5.7320,  
4.7640

■ 224.0340, -5.3670,  
14.6730

■ 0.0000, 0.0000,  
0.0000

■ 248.5430, 3.0250,

5.7530

■ 70.5500, -24.0750,  
23.3250

■ 70.5500, -24.0750,  
23.3250

■ 58.1460, -28.5690,  
27.6790

■ 82.9540, -19.5810,  
18.9710

■ 46.6280, -32.7420,  
31.7220

■ 94.4720, -15.4080,  
14.9280

■ 34.2240, -37.2360,  
36.0760

■ 106.8760,  
-10.9140, 10.5740

■ 21.8200, -41.7300,  
40.4300

■ 119.2800, -6.4200,  
6.2200

■ 15.6180, -43.9770,  
42.6070

■ 130.7980, -2.2470,  
2.1770

■ 143.2020, 2.2470,  
-2.1770

■ 155.6060, 6.7410,  
-6.5310

■ 168.0100, 11.2350,  
-10.8850

■ 179.5280, 15.4080,  
-14.9280

# Harmonies

## Analogous

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



61.2560, -67.7660, 5.6580



70.5500, -24.0750, 23.3250



70.7960, 19.5710, 36.2990

# Triad

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



70.5500, -24.0750, 23.3250



65.9090, 54.2400, -2.8160



58.7070, -45.4320, -24.6640

# Complementary

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



70.5500, -24.0750, 23.3250



128.4500, 24.0750, -23.3250

# 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.



52.5000, -32.0880, -35.2240



70.5500, -24.0750, 23.3250



66.5270, 34.3440, -16.6960

# Square

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



70.5500, -24.0750, 23.3250



64.0570, 57.7200, 22.2320



62.2200, 9.8630, -30.0810



63.0390, -57.6300, -12.8460



# Rectangle

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



70.5500, -24.0750, 23.3250



66.0990, 40.7070, 38.7150



62.2200, 9.8630, -30.0810



56.6380, -40.9840, -28.1840

# Sweetspot

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



70.5500, -24.0750, 23.3250



153.3060, -9.3090, 9.0190



114.5750, -44.7000, -15.9000



73.9380, -5.4570, 5.2870



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



70.5500, -24.0750, 23.3250



74.4520, -37.8780, 36.6980



81.6130, -2.0230, 31.1690



62.7980, -2.2470, 2.1770



15.1620, -42.6930, 41.3630



0.5700, -1.6050, 1.5550



# Inverse Universe

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



92.9750, 20.6250, 39.2250



109.6200, 32.7710, 61.4030



117.0880, 1.4270, -31.3810



64.8910, 1.9250, 3.6610



54.9290, 36.5750, 69.5590



2.0650, 1.3750, 2.6150



# Previews

## White Background



This preview shows how the YIQ color 70.5500, -24.0750, 23.3250 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 70.5500, -24.0750, 23.3250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

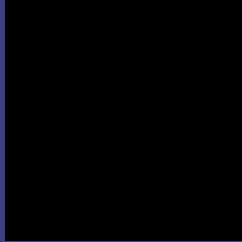
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 70.5500, -24.0750, 23.3250

## Background



This preview shows how black text looks on a background with the YIQ color 70.5500, -24.0750, 23.3250.



This preview shows how white text looks on a background with the YIQ color 70.5500, -24.0750,



# 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

70.5500, -24.0750, 23.3250

### Protanopia

60.5180, -56.5800, 12.1880

### Deuteranopia

56.7420, -60.5670, 1.8410



## Tritanopia

66.5180, -22.1900, -5.3420

# Trichromacy



## Original Color

70.5500, -24.0750, 23.3250

## Protanomaly

64.0850, -44.9350, 15.9050

## Deuteranomaly

61.7270, -47.0430, 10.0530

## Tritanomaly

67.9560, -23.0630, 4.9770

# Monochromacy



## Original Color

70.5500, -24.0750, 23.3250

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.0780, -8.6670, 8.3970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.5500, -24.0750, 23.3250 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(62, 62, 137)` looks like.

```
.text, #text, p{  
    color:rgb(62, 62, 137)  
}
```

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(62, 62, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 62, 137) }
```

## Border

The CSS property to change the border of an element to YIQ 70.5500, -24.0750, 23.3250 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(62, 62, 137) }
```



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

```
.border{ border-color:rgb(62, 62, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 62, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 62, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 62, 137);  
box-shadow:4px 4px 4px 4px rgb(62, 62,  
137) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.5500, -24.0750, 23.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 62, 137) }
```

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

```
.background{ background-color: rgb(62, 62,  
137) }
```

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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