

# Converting Colors

YIQ(75.6080, -12.7950, 17.1330)

Have a look what the booklet for  
YIQ(75.6080, -12.7950, 17.1330)  
contains.

<b>YIQ(75.6080, -12.7950, 17.1330)</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(75.6080, -12.7950,  
17.1330)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A4477
RGB	74, 68, 119
RGB Percent	29%, 27%, 47%
CMY	0.7098, 0.7333, 0.5334
CMYK	0.38, 0.43, 0.00, 0.53
HSL	247°, 27%, 37%
HSV	247°, 43%, 47%
XYZ	8.2203, 6.9216, 18.3483
YIQ	75.6080, -12.7950, 17.1330

# Conversions

## Conversions Part 2

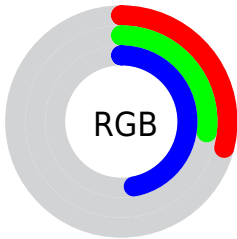
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 68, 119
Decimal	4867191
CIE <sub>Lab</sub>	31.63, 15.82, -28.35
CIE <sub>LCh</sub>	32, 32.469, 299.166
Yxy	6.9216, 0.2455, 0.2067
Android (android.graphics.Color)	4283057271 (0xFF4A4477)
YUV	75.6080, 21.3923, -1.4102
Hunter-Lab	26.3090, 9.7321, -22.9334

# Details

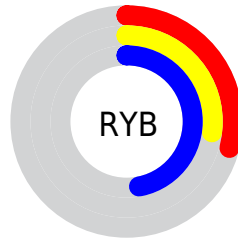
The YIQ color  $75.6080, -12.7950, 17.1330$  is a dark color, and the websafe version is hex  $333366$ . A complement of this color would be  $111.3920, 12.7950, -17.1330$ , and the grayscale version is  $75.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $125.0750, -12.6120, 19.3240$ , and  $30.1300, -14.4450, 13.9950$  is the 20% darker color. If you saturate the color by 10%, you get  $65.5740, -15.4550, 21.2890$ , and if you desaturate by 10%, it is  $85.9410, -9.5390, 13.1890$ .

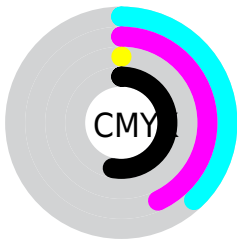
# Distribution



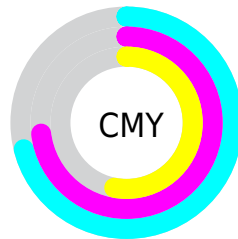
- Red (29%)
- Green (27%)
- Blue (47%)



- Red (29%)
- Yellow (27%)
- Blue (47%)



- Cyan (38%)
- Magenta (43%)
- Yellow (0%)
- Black (53%)



- Cyan (71%)
- Magenta (73%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.6080, -12.7950, 17.1330 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 75.6080, -12.7950, 17.1330 by changing the saturation by 10% instead.



■ 75.6080, -12.7950,  
17.1330

■ 75.6080, -12.7950,  
17.1330

■ 255.0000, -0.0000,  
-0.0000

■ 52.6680, -13.0240,  
15.7760

■ 125.0750,  
-12.6120, 19.3240

■ 30.1300, -14.4450,  
13.9950

■ 151.1890,  
-12.9330, 19.6350

■ 6.9670, -12.4280,  
15.9880

■ 177.7160,  
-12.9790, 20.4690

■ 3.5510, -8.6210,  
7.5630

■ 205.1290,  
-12.7040, 20.9920

■ 0.0000, 0.0000,  
0.0000

■ 230.2360, -3.1200,  
12.4960

■ 253.2390, 0.8250,

1.5690

■ 75.6080, -12.7950,  
17.1330

■ 75.6080, -12.7950,  
17.1330

■ 65.5740, -15.4550,  
21.2890

■ 85.9410, -9.5390,  
13.1890

■ 55.2410, -18.7110,  
25.2330

■ 95.9750, -6.8790,  
9.0330

■ 45.2070, -21.3710,  
29.3890

■ 106.0090, -4.2190,  
4.8770

■ 34.8740, -24.6270,  
33.3330

■ 116.3420, -0.9630,  
0.9330

■ 25.4270, -27.5620,  
36.9660

■ 125.7890, 1.9720,  
-2.7000

■ 17.7520, -29.8550,  
39.9770

■ 136.1220, 5.2280,  
-6.6440

■ 146.1560, 7.8880,  
-10.8000

■ 156.4890, 11.1440,  
-14.7440

■ 166.5230, 13.8040,  
-18.9000

# Harmonies

## Analogous

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



62.7380, -54.7440, 0.9360



75.6080, -12.7950, 17.1330



76.9550, 14.2090, 23.3370

# Triad

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



75.6080, -12.7950, 17.1330



73.1060, 37.6880, -0.2000



59.3910, -47.3580, -22.7980

# Complementary

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



75.6080, -12.7950, 17.1330



111.3920, 12.7950, -17.1330

# 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.



63.9240, -21.1780, -23.6900



75.6080, -12.7950, 17.1330



71.7420, 26.5490, -13.0910

# Square

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



75.6080, -12.7950, 17.1330



73.3920, 40.2990, 13.0590



69.1740, 7.4770, -19.8750



62.2410, -55.3830, -15.0230



# Rectangle

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



75.6080, -12.7950, 17.1330



75.4850, 27.2760, 23.3080



69.1740, 7.4770, -19.8750



57.7780, -44.1940, -25.0740

# Sweetspot

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



75.6080, -12.7950, 17.1330



138.2910, -4.9530, 7.1670



100.2290, -28.7460, -7.6740



68.0800, -2.9810, 4.4670



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



75.6080, -12.7950, 17.1330



88.1100, -19.7200, 27.0000



83.0830, 2.1050, 22.4330



53.6840, -1.9260, 1.8660



18.0940, -30.8180, 40.9100



37.1710, -62.9660, 83.8980



# Inverse Universe

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



88.3790, 15.9510, 24.8070



107.9000, 25.2100, 38.7300



103.9170, -2.1050, -22.4330



55.3640, 1.9710, 2.8270



48.7900, 38.0440, 59.4520



99.8300, 78.3800, 121.4200



# Previews

## White Background



This preview shows how the YIQ color 75.6080, -12.7950, 17.1330 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 75.6080, -12.7950, 17.1330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

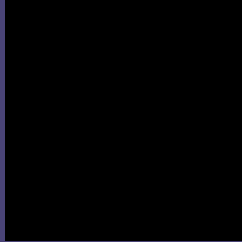
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 75.6080, -12.7950, 17.1330

## Background



This preview shows how black text looks on a background with the YIQ color 75.6080, -12.7950, 17.1330.



This preview shows how white text looks on a background with the YIQ color 75.6080, -12.7950,



# 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

75.6080, -12.7950, 17.1330

### Protanopia

73.0190, -27.3740, 11.5220

### Deuteranopia

72.7260, -28.1070, 8.2850



## Tritanopia

73.6940, -7.8860, -0.2540

# Trichromacy



## Original Color

75.6080, -12.7950, 17.1330

## Protanomaly

73.8240, -22.3310, 13.7410

## Deuteranomaly

73.3570, -22.5140, 11.5500

## Tritanomaly

74.3120, -9.4460, 5.9940

# Monochromacy



## Original Color

75.6080, -12.7950, 17.1330

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

75.7640, -4.9070, 6.3330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.6080, -12.7950, 17.1330 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(74, 68, 119)` looks like.

```
.text, #text, p{  
    color:rgb(74, 68, 119)  
}
```

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(74, 68, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 68, 119) }
```

## Border

The CSS property to change the border of an element to YIQ 75.6080, -12.7950, 17.1330 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(74, 68, 119) }
```



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

```
.border{ border-color:rgb(74, 68, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 68, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 68, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 68, 119);  
box-shadow:4px 4px 4px 4px rgb(74, 68,  
119) }
```

# Background

The CSS property to change the background color of an element to YIQ 75.6080, -12.7950, 17.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 68, 119) }
```

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

```
.background{ background-color: rgb(74, 68,  
119) }
```

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