

# Converting Colors

YIQ(123.6670, -28.4780,  
31.5380)

Have a look what the booklet for  
YIQ(123.6670, -28.4780, 31.5380)  
contains.

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# Color

**YIQ(123.6670, -28.4780,  
31.5380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	746FD1
RGB	116, 111, 209
RGB Percent	45%, 44%, 82%
CMY	0.5450, 0.5647, 0.1806
CMYK	0.44, 0.47, 0.00, 0.18
HSL	243°, 52%, 63%
HSV	243°, 47%, 82%
XYZ	24.3918, 19.6838, 62.8041
YIQ	123.6670, -28.4780, 31.5380

# Conversions

## Conversions Part 2

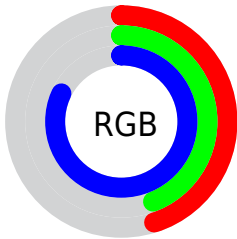
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 111, 209
Decimal	7630801
CIE <sub>Lab</sub>	51.48, 26.89, -50.14
CIE <sub>LCh</sub>	51, 56.897, 298.201
Yxy	19.6838, 0.2282, 0.1842
Android (android.graphics.Color)	4285820881 (0xFF746FD1)
YUV	123.6670, 42.0692, -6.7240
Hunter-Lab	44.3664, 20.4946, -52.8730

# Details

The YIQ color  $123.6670, -28.4780, 31.5380$  is a dark color, and the websafe version is hex  $6666CC$ . A complement of this color would be  $196.3330, 28.4780, -31.5380$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.1790, -24.1680, 30.5200$ , and  $72.1780, -31.5950, 27.4530$  is the 20% darker color. If you saturate the color by 10%, you get  $105.3600, -34.6230, 38.2810$ , and if you desaturate by 10%, it is  $141.9740, -22.3330, 24.7950$ .

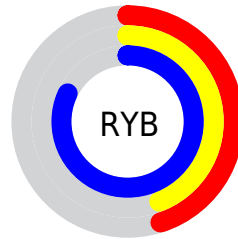
# Distribution



Red (45%)

Green (44%)

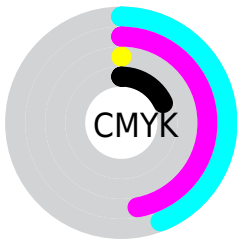
Blue (82%)



Red (45%)

Yellow (44%)

Blue (82%)

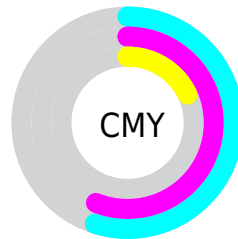


Cyan (44%)

Magenta (47%)

Yellow (0%)

Black (18%)



Cyan (55%)

Magenta (56%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.6670, -28.4780, 31.5380 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 123.6670, -28.4780, 31.5380 by changing the saturation by 10% instead.



■ 123.6670,  
-28.4780, 31.5380

■ 123.6670,  
-28.4780, 31.5380

■ 255.0000, -0.0000,  
-0.0000

■ 98.0150, -29.5780,  
29.4460

■ 176.1790,  
-24.1680, 30.5200

■ 72.1780, -31.5950,  
27.4530

■ 200.6990,  
-14.3090, 22.5470

■ 46.3190, -36.5460,  
23.5660

■ 225.8060, -4.7250,  
14.0510

■ 23.9550, -38.5170,  
20.7390

■ 249.7170, 2.4750,  
4.7070

■ 8.7780, -24.7170,  
23.9470

■ 8.9770, -18.3880,  
13.8680

■ 4.7080, -10.5010,

8.5950

■ 0.2280, -0.6420,  
0.6220

■ 0.0000, 0.0000,  
0.0000

■ 123.6670,  
-28.4780, 31.5380

■ 123.6670,  
-28.4780, 31.5380

■ 105.3600,  
-34.6230, 38.2810

■ 141.9740,  
-22.3330, 24.7950

■ 87.0530, -40.7680,  
45.0240

■ 160.2810,  
-16.1880, 18.0520

■ 69.0450, -46.3170,  
51.9790

■ 178.2890,  
-10.6390, 11.0970

■ 50.7380, -52.4620,  
58.7220

■ 196.5960, -4.4940,  
4.3540

■ 33.0180, -58.8820,  
64.9420

■ 214.3160, 1.9260,  
-1.8660

■ 27.1150, -60.5330,  
67.3310

■ 232.6230, 8.0710,  
-8.6090

■ 249.7560, 14.7660,  
-14.3060

# Harmonies

## Analogous

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



100.8030, -106.0950, 0.9530



123.6670, -28.4780, 31.5380



125.4150, 25.4380, 45.6140

# Triad

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



123.6670, -28.4780, 31.5380



118.6460, 71.1580, -1.0500



98.5670, -77.7530, -39.1370

# Complementary

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



123.6670, -28.4780, 31.5380



196.3330, 28.4780, -31.5380

# 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.



95.3030, -51.0670, -49.2030



123.6670, -28.4780, 31.5380



114.6320, 55.4370, -30.0270

# Square

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



123.6670, -28.4780, 31.5380



117.9730, 75.6920, 26.9240



111.0060, 15.9170, -40.6830



104.1530, -93.4820, -23.8980



# Rectangle

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



123.6670, -28.4780, 31.5380



121.4150, 51.8010, 46.9130



111.0060, 15.9170, -40.6830



96.0420, -72.0210, -43.9010

# Sweetspot

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



123.6670, -28.4780, 31.5380



223.7020, -10.3640, 11.6200



176.7630, -57.0330, -18.1610



108.8070, -6.4660, 7.0540



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



123.6670, -28.4780, 31.5380



130.6940, -41.1350, 46.1690



138.3180, 0.7260, 41.9260



95.5530, -2.9350, 3.6330



21.8430, -48.5640, 54.1560



5.2720, -11.9690, 13.1750



# Inverse Universe

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



150.9040, 28.5550, 49.6990



170.2610, 41.5720, 72.6120



181.6820, -0.7260, -41.9260



98.4290, 3.3460, 5.4420



68.4720, 48.7680, 85.3760



16.7050, 11.9170, 20.8210



# Previews

## White Background



This preview shows how the YIQ color 123.6670, -28.4780, 31.5380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

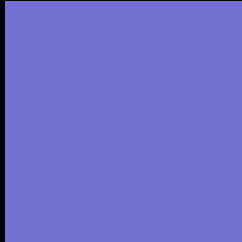
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 123.6670, -28.4780, 31.5380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

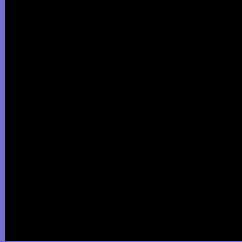
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 123.6670, -28.4780, 31.5380

## Background



This preview shows how black text looks on a background with the YIQ color 123.6670, -28.4780, 31.5380.



This preview shows how white text looks on a background with the YIQ color 123.6670, -28.4780,



# 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

123.6670, -28.4780, 31.5380

### Protanopia

117.6140, -56.4900, 21.5740

### Deuteranopia

114.8210, -61.8070, 13.3050



## Tritanopia

119.2840, -21.4110, -2.9390

# Trichromacy



## Original Color

123.6670, -28.4780, 31.5380

## Protanomaly

119.6970, -46.3580, 25.1780

## Deuteranomaly

118.2680, -49.7040, 19.7360

## Tritanomaly

120.8190, -23.9350, 9.7690

# Monochromacy



## Original Color

123.6670, -28.4780, 31.5380

## Achromatopsia

124.0000, -0.0000, -0.0000

## Achromatomaly

123.7020, -10.3640, 11.6200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.6670, -28.4780, 31.5380 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(116, 111, 209)` looks like.

```
.text, #text, p{  
    color:rgb(116, 111, 209)  
}
```

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(116, 111, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 111, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 123.6670, -28.4780, 31.5380 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(116, 111, 209) }
```



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

```
.border{ border-color:rgb(116, 111, 209) }
```

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

Here you see how a box with a 4 pixel rgb(116, 111, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 111, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 111, 209);  
box-shadow:4px 4px 4px 4px rgb(116, 111,  
209) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.6670, -28.4780, 31.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 111, 209) }
```

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

```
.background{ background-color: rgb(116,  
111, 209) }
```

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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