

# Converting Colors

YIQ(102.7270, 5.6830, 12.6510)

Have a look what the booklet for  
YIQ(102.7270, 5.6830, 12.6510)  
contains.

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# Color

**YIQ(102.7270, 5.6830,  
12.6510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	745D76
RGB	116, 93, 118
RGB Percent	45%, 36%, 46%
CMY	0.5450, 0.6353, 0.5372
CMYK	0.02, 0.21, 0.00, 0.54
HSL	295°, 12%, 41%
HSV	295°, 21%, 46%
XYZ	14.3884, 12.8493, 18.8616
YIQ	102.7270, 5.6830, 12.6510

# Conversions

## Conversions Part 2

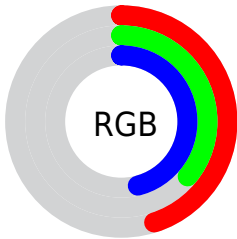
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 93, 118
Decimal	7626102
CIE Lab	42.54, 14.17, -10.57
CIE LCh	43, 17.677, 323.288
Yxy	12.8493, 0.3121, 0.2787
Android (android.graphics.Color)	4285816182 (0xFF745D76)
YUV	102.7270, 7.5296, 11.6404
Hunter-Lab	35.8459, 8.9190, -6.1054

# Details

The YIQ color **102.7270, 5.6830, 12.6510** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **108.2730, -5.6830, -12.6510**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.5530, 6.2330, 13.6970**, and **55.9010, 5.1330, 11.6050** is the 20% darker color. If you saturate the color by 10%, you get **95.3840, 8.3870, 18.7150**, and if you desaturate by 10%, it is **110.0700, 2.9790, 6.5870**.

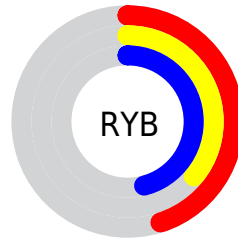
# Distribution



Red (45%)

Green (36%)

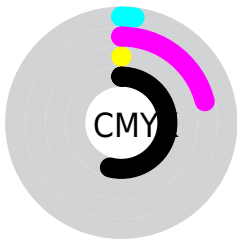
Blue (46%)



Red (45%)

Yellow (36%)

Blue (46%)

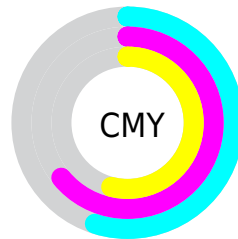


Cyan (2%)

Magenta (21%)

Yellow (0%)

Black (54%)



Cyan (55%)

Magenta (64%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.7270, 5.6830, 12.6510 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 102.7270, 5.6830, 12.6510 by changing the saturation by 10% instead.



■ 102.7270, 5.6830,  
12.6510

■ 102.7270, 5.6830,  
12.6510

■ 255.0000, -0.0000,  
-0.0000

■ 78.3140, 5.4080,  
12.1280

■ 153.5530, 6.2330,  
13.6970

■ 55.9010, 5.1330,  
11.6050

■ 180.8520, 6.8290,  
13.9090

■ 34.0750, 4.5830,  
10.5590

■ 208.2650, 7.1040,  
14.4320

■ 10.8520, 6.8290,  
13.9090

■ 236.3790, 6.7830,  
14.7430

■ 0.0000, 0.0000,  
0.0000

■ 254.4130, 0.2750,  
0.5230

102.7270, 5.6830,  
12.6510

102.7270, 5.6830,  
12.6510

95.3840, 8.3870,  
18.7150

110.0700, 2.9790,  
6.5870

88.0410, 11.0910,  
24.7790

117.4130, 0.2750,  
0.5230

81.2850, 13.5200,  
30.3200

124.1690, -2.1540,  
-5.0180

73.9420, 16.2240,  
36.3840

131.5120, -4.8580,  
-11.0820

66.5990, 18.9280,  
42.4480

138.8550, -7.5620,  
-17.1460

59.2560, 21.6320,  
48.5120

146.1980,  
-10.2660, -23.2100

51.9130, 24.3360,  
54.5760


153.5410,  
-12.9700, -29.2740

46.0430, 27.0860,

160.2970,

59.8060

-15.3990, -34.8150

 167.3410,  
-18.6990, -41.0910

# Harmonies

## Analogous

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



101.3060, -9.3090, 9.0190



102.7270, 5.6830, 12.6510



102.6590, 17.5580, 12.1980

# Triad

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



102.7270, 5.6830, 12.6510



99.8200, 17.8820, -4.6940



93.0930, -31.3590, -9.8790

# Complementary

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



102.7270, 5.6830, 12.6510



108.2730, -5.6830, -12.6510

# 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.



94.4870, -20.9050, -12.1130



102.7270, 5.6830, 12.6510



98.3840, 7.2460, -10.1780

# Square

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



102.7270, 5.6830, 12.6510



101.4450, 23.6120, 1.5960



96.7890, -7.1960, -12.7640



94.4830, -32.2770, -4.2530



# Rectangle

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



102.7270, 5.6830, 12.6510



102.4160, 22.5560, 9.7240



96.7890, -7.1960, -12.7640



93.8220, -29.1580, -11.2220

# Sweetspot

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



102.7270, 5.6830, 12.6510



147.4180, 1.8790, 4.4950



97.0240, -8.5750, 6.7290



73.1790, 1.0540, 2.9260



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



102.7270, 5.6830, 12.6510



129.7970, 8.6620, 19.2380



102.1850, 10.0850, 9.9650



55.1790, 1.0540, 2.9260



47.6950, 28.1860, 61.8980



97.2700, 56.8300, 126.5100



# Inverse Universe

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



100.7030, 14.2580, 5.9220



126.7040, 21.6850, 8.9890



108.8150, -10.0850, -9.9650



54.7940, 3.5760, 1.2720



37.6180, 69.5020, 28.9740



77.0300, 142.5800, 59.2200



# Previews

## White Background



This preview shows how the YIQ color 102.7270, 5.6830, 12.6510 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 × Fail



# Black Background



This preview shows how the YIQ color 102.7270, 5.6830, 12.6510 looks on a black 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

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

# YIQ 102.7270, 5.6830, 12.6510

## Background



This preview shows how black text looks on a background with the YIQ color 102.7270, 5.6830, 12.6510.



This preview shows how white text looks on a background with the YIQ color 102.7270, 5.6830,



# 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

102.7270, 5.6830, 12.6510

### Protanopia

101.0130, -10.0420, 5.7820

### Deuteranopia

101.3620, -3.7150, 6.7570



## Tritanopia

102.1800, 8.4810, 5.9930

# Trichromacy



## Original Color

102.7270, 5.6830, 12.6510

## Protanomaly

101.5300, -4.1280, 8.7360

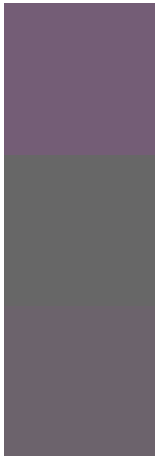
## Deuteranomaly

101.6830, -0.1850, 8.8630

## Tritanomaly

102.4620, 7.7470, 8.2830

# Monochromacy



## Original Color

102.7270, 5.6830, 12.6510

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.7170, 2.4750, 4.7070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.7270, 5.6830, 12.6510 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, 93, 118)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 118)  
}
```

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, 93, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 102.7270, 5.6830, 12.6510 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, 93, 118) }
```



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

```
.border{ border-color:rgb(116, 93, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 118);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.7270, 5.6830, 12.6510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 118) }
```

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

```
.background{ background-color: rgb(116, 93,  
118) }
```

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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