

# Converting Colors

YIQ(102.9750, -33.2420, 7.7340)

Have a look what the booklet for  
YIQ(102.9750, -33.2420, 7.7340)  
contains.

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# Color

**YIQ(102.9750, -33.2420,  
7.7340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C6B99
RGB	76, 107, 153
RGB Percent	30%, 42%, 60%
CMY	0.7020, 0.5803, 0.4002
CMYK	0.50, 0.30, 0.00, 0.40
HSL	216°, 34%, 45%
HSV	216°, 50%, 60%
XYZ	13.9849, 14.3527, 32.1517
YIQ	102.9750, -33.2420, 7.7340

# Conversions

## Conversions Part 2

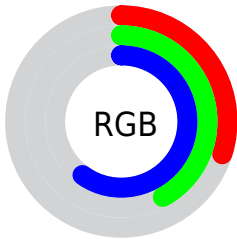
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 98, 153
Decimal	5008281
CIE <sub>Lab</sub>	44.73, 2.18, -28.47
CIE <sub>LCh</sub>	45, 28.550, 274.372
Yxy	14.3527, 0.2312, 0.2373
Android (android.graphics.Color)	4283198361 (0xFF4C6B99)
YUV	102.9750, 24.6623, -23.6571
Hunter-Lab	37.8849, -0.4068, -23.7982

# Details

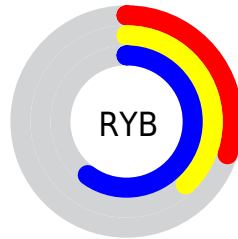
The YIQ color  $102.9750, -33.2420, 7.7340$  is a dark color, and the websafe version is hex  $336699$ . A complement of this color would be  $126.0250, 33.2420, -7.7340$ , and the grayscale version is  $103.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $155.0290, -33.3340, 9.4020$ , and  $52.5290, -37.9180, 4.3700$  is the 20% darker color. If you saturate the color by 10%, you get  $93.2070, -39.7070, 9.2610$ , and if you desaturate by 10%, it is  $112.7430, -26.7770, 6.2070$ .

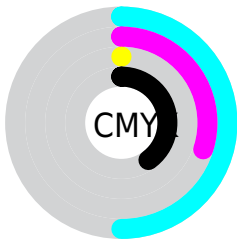
# Distribution



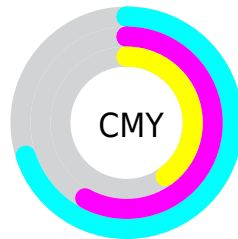
- Red (30%)
- Green (42%)
- Blue (60%)



- Red (30%)
- Yellow (38%)
- Blue (60%)



- Cyan (50%)
- Magenta (30%)
- Yellow (0%)
- Black (40%)



- Cyan (70%)
- Magenta (58%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.9750, -33.2420, 7.7340 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 102.9750, -33.2420, 7.7340 by changing the saturation by 10% instead.



■ 102.9750,  
-33.2420, 7.7340

■ 102.9750,  
-33.2420, 7.7340

■ 255.0000, -0.0000,  
-0.0000

■ 77.8500, -34.3880,  
6.4760

■ 155.0290,  
-33.3340, 9.4020

■ 52.5290, -37.9180,  
4.3700

■ 182.1430,  
-33.6550, 9.7130

■ 31.6710, -35.4420,  
3.5500

■ 209.1170,  
-30.7660, 6.9140

■ 16.7220, -22.2840,  
7.3800

■ 234.2240,  
-21.1820, -1.5820

■ 4.9360, -11.1430,  
9.2170

■ 251.1130, -7.7480,  
-2.7560

■ 0.5700, -1.6050,  
1.5550

■ 0.0000, 0.0000,

0.0000

■ 102.9750,  
-33.2420, 7.7340

■ 102.9750,  
-33.2420, 7.7340

■ 93.2070, -39.7070,  
9.2610

■ 112.7430,  
-26.7770, 6.2070

■ 83.1400, -46.7680,  
10.5760

■ 122.8100,  
-19.7160, 4.8920

■ 73.3720, -53.2330,  
12.1030

■ 132.5780,  
-13.2510, 3.3650

■ 63.0170, -59.4230,  
14.1530

■ 142.9330, -7.0610,  
1.3150

■ 53.8360, -66.1630,  
15.1570

■ 152.7010, -0.5960,  
-0.2120

■ 162.7680, 6.4650,  
-1.5270

■ 172.5360, 12.9300,  
-3.0540

■ 182.3040, 19.3950,  
-4.5810

■ 192.3710, 26.4560,  
-5.8960

# Harmonies

## Analogous

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



91.8630, -62.7660, -7.8700



102.9750, -33.2420, 7.7340



107.8430, -6.1470, 17.7970

# Triad

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



102.9750, -33.2420, 7.7340



106.8000, 38.9700, 9.6100



97.0920, -21.5910, -21.7110

# Complementary

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



102.9750, -33.2420, 7.7340



126.0250, 33.2420, -7.7340

# 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.



101.0750, 3.4420, -18.3340



102.9750, -33.2420, 7.7340



105.3830, 35.3500, -1.8820

# Square

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



102.9750, -33.2420, 7.7340



107.9600, 33.0080, 18.5440



104.1160, 22.5600, -12.3840



89.1670, -52.5390, -22.5150



# Rectangle

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



102.9750, -33.2420, 7.7340



109.0360, 9.4870, 20.8070



104.1160, 22.5600, -12.3840



98.4090, -12.2380, -20.5100

# Sweetspot

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



102.9750, -33.2420, 7.7340



179.4640, -12.9300, 3.0540



126.3290, -35.6200, -26.2760



88.0470, -7.3820, 1.6260



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

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



102.9750, -33.2420, 7.7340



121.7420, -51.3990, 11.9050



86.5720, -21.1410, 25.2190



71.6730, -3.3930, 0.9190



49.4190, -60.6150, 13.7290



4.4170, -5.5480, 1.4280



# Inverse Universe

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



102.5570, 35.9410, 25.9650



121.0530, 55.5160, 40.1560



142.4280, 21.1410, -25.2190



71.7340, 3.8050, 2.6290



48.3580, 65.1430, 47.4070

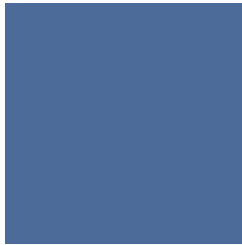


4.4570, 6.1430, 4.3110



# Previews

## White Background



This preview shows how the YIQ color 102.9750, -33.2420, 7.7340 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 102.9750, -33.2420, 7.7340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

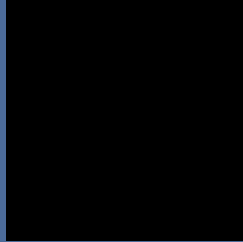
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 102.9750, -33.2420, 7.7340

## Background



This preview shows how black text looks on a background with the YIQ color 102.9750, -33.2420, 7.7340.



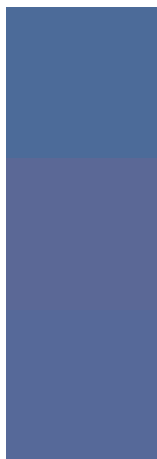
This preview shows how white text looks on a background with the YIQ color 102.9750, -33.2420,



# 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

102.9750, -33.2420, 7.7340

### Protanopia

105.3570, -22.5140, 11.5500

### Deuteranopia

104.7910, -26.7320, 10.9000



## Tritanopia

99.9730, -30.9010, -7.1650

# Trichromacy



## Original Color

102.9750, -33.2420, 7.7340

## Protanomaly

104.5630, -26.0900, 10.2780

## Deuteranomaly

104.1820, -29.3910, 9.5290

## Tritanomaly

101.2490, -31.4980, -1.8500

# Monochromacy



## Original Color

102.9750, -33.2420, 7.7340

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.6490, -12.0130, 2.9550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.9750, -33.2420, 7.7340 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(76, 107, 153)` looks like.

```
.text, #text, p{  
    color:rgb(76, 107, 153)  
}
```

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(76, 107, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 107, 153) }
```

## Border

The CSS property to change the border of an element to YIQ 102.9750, -33.2420, 7.7340 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(76, 107, 153) }
```



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

```
.border{ border-color:rgb(76, 107, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 107, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 107, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 107, 153);  
box-shadow:4px 4px 4px 4px rgb(76, 107,  
153) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.9750, -33.2420, 7.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 107, 153) }
```

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

```
.background{ background-color: rgb(76, 107,  
153) }
```

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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