

# Converting Colors

YIQ(97.8610, -32.9210, 7.4230)

Have a look what the booklet for  
YIQ(97.8610, -32.9210, 7.4230)  
contains.

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# Color

**YIQ(97.8610, -32.9210,  
7.4230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	476693
RGB	71, 102, 147
RGB Percent	28%, 40%, 58%
CMY	0.7216, 0.5999, 0.4237
CMYK	0.52, 0.31, 0.00, 0.42
HSL	215°, 35%, 43%
HSV	215°, 52%, 58%
XYZ	12.6135, 12.9497, 29.4211
YIQ	97.8610, -32.9210, 7.4230

# Conversions

## Conversions Part 2

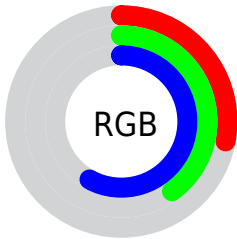
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 93, 147
Decimal	4679315
CIE <sub>Lab</sub>	42.69, 2.07, -28.11
CIE <sub>LCh</sub>	43, 28.191, 274.218
Yxy	12.9497, 0.2294, 0.2355
Android (android.graphics.Color)	4282869395 (0xFF476693)
YUV	97.8610, 24.2255, -23.5571
Hunter-Lab	35.9857, -0.4084, -23.2842

# Details

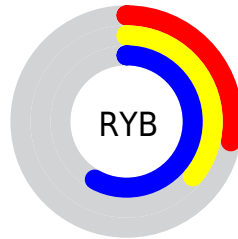
The YIQ color **97.8610, -32.9210, 7.4230** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **120.1390, 32.9210, -7.4230**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **149.8010, -32.6920, 8.7800**, and **47.4040, -39.0640, 3.1120** is the 20% darker color. If you saturate the color by 10%, you get **88.0930, -39.3860, 8.9500**, and if you desaturate by 10%, it is **107.6290, -26.4560, 5.8960**.

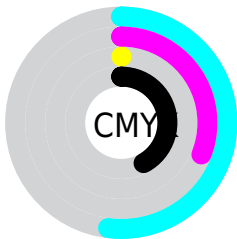
# Distribution



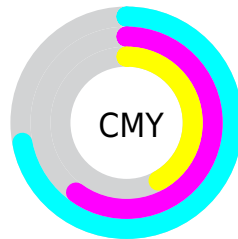
- Red (28%)
- Green (40%)
- Blue (58%)



- Red (28%)
- Yellow (36%)
- Blue (58%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (42%)



- Cyan (72%)
- Magenta (60%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.8610, -32.9210, 7.4230 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 97.8610, -32.9210, 7.4230 by changing the saturation by 10% instead.



■ 97.8610, -32.9210,  
7.4230

■ 97.8610, -32.9210,  
7.4230

■ 255.0000, -0.0000,  
-0.0000

■ 72.7360, -34.0670,  
6.1650

■ 149.8010,  
-32.6920, 8.7800

■ 47.4040, -39.0640,  
3.1120

■ 176.3280,  
-32.7380, 9.6140

■ 28.1660, -32.4620,  
4.6100

■ 204.1000,  
-32.0960, 8.9920

■ 12.6300, -19.0290,  
8.9630

■ 228.9080,  
-23.1080, 0.2840

■ 3.7790, -9.2630,  
8.1850

■ 249.3190,  
-11.3240, -4.0280

■ 0.0000, 0.0000,  
0.0000

■ 97.8610, -32.9210,  
7.4230

■ 97.8610, -32.9210,  
7.4230

■ 88.0930, -39.3860,  
8.9500

■ 107.6290,  
-26.4560, 5.8960

■ 79.2110, -45.5300,  
10.1660

■ 116.5110,  
-20.3120, 4.6800

■ 69.4430, -51.9950,  
11.6930

■ 126.2790,  
-13.8470, 3.1530

■ 59.6750, -58.4600,  
13.2200

■ 136.0470, -7.3820,  
1.6260

■ 51.9780, -63.6870,  
14.3370

■ 144.9290, -1.2380,  
0.4100

■ 154.6970, 5.2270,  
-1.1170

■ 164.4650, 11.6920,  
-2.6440

■ 174.2330, 18.1570,

-4.1710

■ 183.1150, 24.3010,  
-5.3870

# Harmonies

## Analogous

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



86.1510, -63.6370, -8.6050



97.8610, -32.9210, 7.4230



103.3160, -6.1010, 16.9630

# Triad

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



97.8610, -32.9210, 7.4230



101.6150, 38.0530, 9.7090



91.9180, -21.0410, -20.6650

# Complementary

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



97.8610, -32.9210, 7.4230



120.1390, 32.9210, -7.4230

# 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.



96.0750, 3.4420, -18.3340



97.8610, -32.9210, 7.4230



100.1980, 34.4330, -1.7830

# Square

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



97.8610, -32.9210, 7.4230



102.6610, 32.4120, 18.3320



98.6430, 22.5140, -11.5500



83.7540, -52.8140, -23.0380



# Rectangle

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



97.8610, -32.9210, 7.4230



103.9220, 9.8080, 20.4960



98.6430, 22.5140, -11.5500



93.5230, -12.5590, -20.1990

# Sweetspot

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



97.8610, -32.9210, 7.4230



171.4640, -12.9300, 3.0540



120.6280, -35.0240, -26.0640



84.8620, -8.2990, 1.7250



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



97.8610, -32.9210, 7.4230



114.6280, -51.0780, 11.5940



81.4580, -20.8200, 24.9080



69.5590, -3.0720, 0.6080



48.6040, -59.6980, 13.6300



3.4880, -4.3100, 1.0180



# Inverse Universe

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



97.2580, 35.3450, 25.7530



113.7540, 54.9200, 39.9440



136.5420, 20.8200, -24.9080



69.4350, 3.2090, 2.4170



47.6460, 64.2720, 46.6720

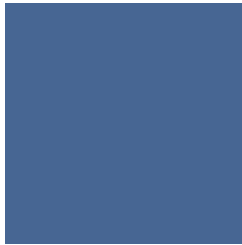


3.4460, 4.6760, 3.3640



# Previews

## White Background



This preview shows how the YIQ color 97.8610, -32.9210, 7.4230 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 97.8610, -32.9210, 7.4230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

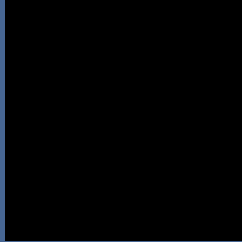
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 97.8610, -32.9210, 7.4230**

## **Background**



This preview shows how black text looks on a background with the YIQ color 97.8610, -32.9210, 7.4230.



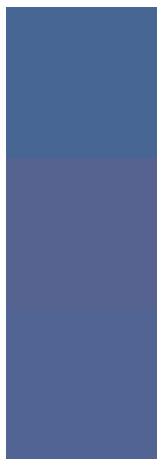
This preview shows how white text looks on a background with the YIQ color 97.8610, -32.9210,



# 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

97.8610, -32.9210, 7.4230

### Protanopia

100.2430, -22.1930, 11.2390

### Deuteranopia

99.6770, -26.4110, 10.5890



## Tritanopia

94.9730, -30.9010, -7.1650

# Trichromacy



## Original Color

97.8610, -32.9210, 7.4230

## Protanomaly

99.4490, -25.7690, 9.9670

## Deuteranomaly

99.0680, -29.0700, 9.2180

## Tritanomaly

96.2490, -31.4980, -1.8500

# Monochromacy



## Original Color

97.8610, -32.9210, 7.4230

## Achromatopsia

98.0000, -0.0000, -0.0000

## Achromatomaly

97.6490, -12.0130, 2.9550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.8610, -32.9210, 7.4230 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(71, 102, 147)` looks like.

```
.text, #text, p{  
    color:rgb(71, 102, 147)  
}
```

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(71, 102, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 102, 147) }
```

## Border

The CSS property to change the border of an element to YIQ 97.8610, -32.9210, 7.4230 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(71, 102, 147) }
```



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

```
.border{ border-color:rgb(71, 102, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 102, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 102, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 102, 147);  
box-shadow:4px 4px 4px 4px rgb(71, 102,  
147) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.8610, -32.9210, 7.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 102, 147) }
```

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

```
.background{ background-color: rgb(71, 102,  
147) }
```

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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