

# Converting Colors

YIQ(103.9440, -39.9840,  
19.7920)

Have a look what the booklet for  
YIQ(103.9440, -39.9840, 19.7920)  
contains.

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# Color

**YIQ(103.9440, -39.9840,  
19.7920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E66B6
RGB	78, 102, 182
RGB Percent	31%, 40%, 71%
CMY	0.6941, 0.6000, 0.2865
CMYK	0.57, 0.44, 0.00, 0.29
HSL	226°, 42%, 51%
HSV	226°, 57%, 71%
XYZ	16.3318, 14.4995, 46.1634
YIQ	103.9440, -39.9840, 19.7920

# Conversions

## Conversions Part 2

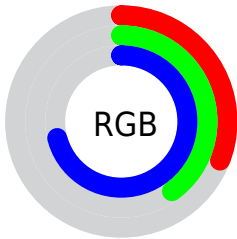
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 98, 182
Decimal	5138102
CIE <sub>Lab</sub>	44.94, 15.30, -45.18
CIE <sub>LCh</sub>	45, 47.697, 288.705
Yxy	14.4995, 0.2121, 0.1883
Android (android.graphics.Color)	4283328182 (0xFF4E66B6)
YUV	103.9440, 38.4816, -22.7529
Hunter-Lab	38.0782, 9.9222, -45.2245

# Details

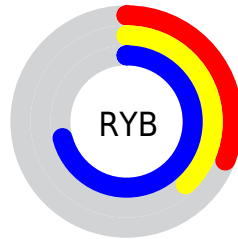
The YIQ color **103.9440, -39.9840, 19.7920** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **156.0560, 39.9840, -19.7920**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **157.0090, -38.6090, 22.4070**, and **48.3610, -54.7000, 11.1560** is the 20% darker color. If you saturate the color by 10%, you get **90.3440, -46.8620, 23.2980**, and if you desaturate by 10%, it is **117.5440, -33.1060, 16.2860**.

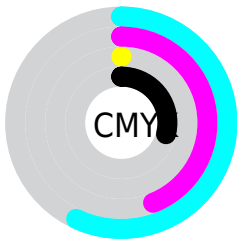
# Distribution



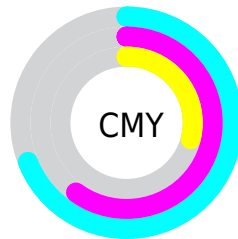
- Red (31%)
- Green (40%)
- Blue (71%)



- Red (31%)
- Yellow (38%)
- Blue (71%)



- Cyan (57%)
- Magenta (44%)
- Yellow (0%)
- Black (29%)



- Cyan (69%)
- Magenta (60%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 103.9440, -39.9840, 19.7920 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 103.9440, -39.9840, 19.7920 by changing the saturation by 10% instead.



■ 103.9440,  
-39.9840, 19.7920

■ 103.9440,  
-39.9840, 19.7920

■ 255.0000, -0.0000,  
-0.0000

■ 77.8080, -42.5970,  
17.5870

■ 157.0090,  
-38.6090, 22.4070

■ 48.3610, -54.7000,  
11.1560

■ 182.8800,  
-33.9320, 20.2440

■ 32.2870, -42.6880,  
13.7280

■ 207.6880,  
-24.9440, 11.5360

■ 17.6970, -29.1630,  
16.4130

■ 233.0940,  
-14.7640, 3.2520

■ 9.2050, -19.0300,  
14.4900

■ 253.5050, -2.9800,  
-1.0600

■ 4.8220, -10.8220,  
8.9060

■ 0.5700, -1.6050,

1.5550

■ 0.0000, 0.0000,  
0.0000

■ 103.9440,  
-39.9840, 19.7920

■ 103.9440,  
-39.9840, 19.7920

■ 90.3440, -46.8620,  
23.2980

■ 117.5440,  
-33.1060, 16.2860

■ 76.7440, -53.7400,  
26.8040

■ 131.1440,  
-26.2280, 12.7800

■ 62.8450, -61.2140,  
30.0980

■ 145.0430,  
-18.7540, 9.4860

■ 49.2450, -68.0920,  
33.6040

■ 158.6430,  
-11.8760, 5.9800

■ 45.4020, -69.9720,  
34.6360

■ 172.2430, -4.9980,  
2.4740

■ 185.8430, 1.8800,  
-1.0320

■ 199.4430, 8.7580,  
-4.5380

■ 213.3420, 16.2320,  
-7.8320

■ 226.9420, 23.1100,  
-11.3380

# Harmonies

## Analogous

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



88.4810, -90.6890, -2.9210



103.9440, -39.9840, 19.7920



109.5820, 8.4300, 34.4620

# Triad

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



103.9440, -39.9840, 19.7920



103.7130, 61.0240, 6.4000



82.9340, -62.6690, -37.1730

# Complementary

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



103.9440, -39.9840, 19.7920



156.0560, 39.9840, -19.7920

# 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.



92.6990, -16.5910, -35.2390



103.9440, -39.9840, 19.7920



102.0680, 48.8780, -15.7780

# Square

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



103.9440, -39.9840, 19.7920



103.7740, 60.1950, 26.9390



98.9350, 23.8470, -30.2090



88.3090, -76.4260, -24.6340



# Rectangle

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



103.9440, -39.9840, 19.7920



107.6790, 33.1420, 38.1500



98.9350, 23.8470, -30.2090



80.8650, -58.2210, -40.6930

# Sweetspot

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



103.9440, -39.9840, 19.7920



206.8430, -15.3150, 7.7330



148.1680, -54.2800, -29.5120



101.6710, -9.0790, 4.8490



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



103.9440, -39.9840, 19.7920



114.3010, -62.4980, 31.3420



98.2280, -16.6960, 38.2800



85.2000, -3.4390, 1.7530



38.9160, -59.9760, 29.6880



6.7140, -10.6380, 5.5700



# Inverse Universe

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



111.8320, 54.2800, 29.5120



126.9550, 85.2710, 46.0630



161.7720, 16.6960, -38.2800



85.9190, 4.7220, 2.5300



50.7480, 81.4200, 44.2680

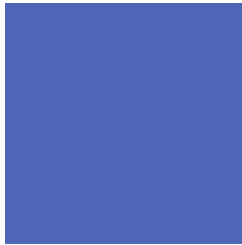


9.0560, 14.7620, 7.8020



# Previews

## White Background



This preview shows how the YIQ color 103.9440, -39.9840, 19.7920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

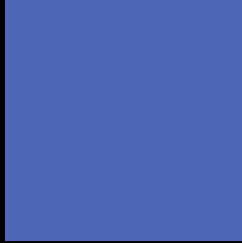
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 103.9440, -39.9840, 19.7920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

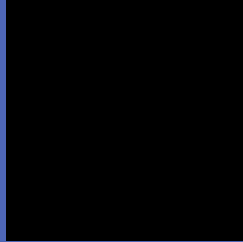
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 103.9440, -39.9840, 19.7920

## Background



This preview shows how black text looks on a background with the YIQ color 103.9440, -39.9840, 19.7920.



This preview shows how white text looks on a background with the YIQ color 103.9440, -39.9840,



# 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

103.9440, -39.9840, 19.7920

### Protanopia

102.5520, -44.7520, 18.0960

### Deuteranopia

98.6920, -57.1300, 11.1420



**Tritanopia**

98.0860, -38.6490, -9.9210

# Trichromacy



## Original Color

103.9440, -39.9840, 19.7920

## Protanomaly

103.4490, -42.9640, 18.7320

## Deuteranomaly

100.5080, -50.6200, 14.3080

## Tritanomaly

99.9370, -39.2470, 0.9210

# Monochromacy



## Original Color

103.9440, -39.9840, 19.7920

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

103.9140, -14.0770, 7.3230

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 103.9440, -39.9840, 19.7920 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(78, 102, 182)` looks like.

```
.text, #text, p{  
    color:rgb(78, 102, 182)  
}
```

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(78, 102, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 102, 182) }
```

## Border

The CSS property to change the border of an element to YIQ 103.9440, -39.9840, 19.7920 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(78, 102, 182) }
```



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

```
.border{ border-color:rgb(78, 102, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 102, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 102, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 102, 182);  
box-shadow:4px 4px 4px 4px rgb(78, 102,  
182) }
```

# Background

The CSS property to change the background color of an element to YIQ 103.9440, -39.9840, 19.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 102, 182) }
```

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

```
.background{ background-color: rgb(78, 102,  
182) }
```

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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