

# Converting Colors

YIQ(51.9740, -13.1650, 34.8590)

Have a look what the booklet for  
YIQ(51.9740, -13.1650, 34.8590)  
contains.

<b>YIQ(51.9740, -13.1650, 34.8590)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(51.9740, -13.1650,  
34.8590)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D217E
RGB	61, 33, 126
RGB Percent	24%, 13%, 49%
CMY	0.7606, 0.8706, 0.5060
CMYK	0.52, 0.74, 0.00, 0.51
HSL	258°, 58%, 31%
HSV	258°, 74%, 49%
XYZ	6.2338, 3.5857, 20.0915
YIQ	51.9740, -13.1650, 34.8590

# Conversions

## Conversions Part 2

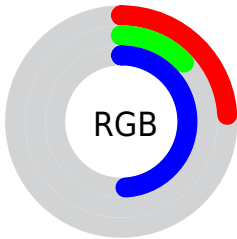
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 33, 126
Decimal	4006270
CIE <sub>Lab</sub>	22.25, 36.76, -47.91
CIE <sub>LCh</sub>	22, 60.390, 307.498
Yxy	3.5857, 0.2084, 0.1199
Android (android.graphics.Color)	4282196350 (0xFF3D217E)
YUV	51.9740, 36.4948, 7.9158
Hunter-Lab	18.9360, 25.6249, -49.6527

# Details

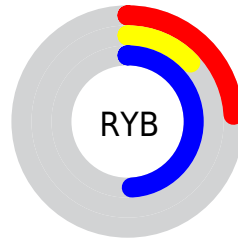
The YIQ color **51.9740, -13.1650, 34.8590** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **107.0260, 13.1650, -34.8590**, and the grayscale version is **52.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.8650, -11.2400, 38.5200**, and **8.6640, -24.3960, 23.6360** is the 20% darker color. If you saturate the color by 10%, you get **41.6520, -14.9540, 39.7500**, and if you desaturate by 10%, it is **62.2960, -11.3760, 29.9680**.

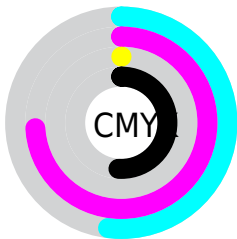
# Distribution



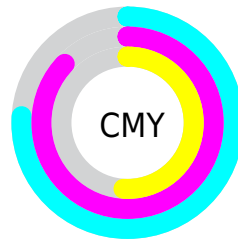
- Red (24%)
- Green (13%)
- Blue (49%)



- Red (24%)
- Yellow (13%)
- Blue (49%)



- Cyan (52%)
- Magenta (74%)
- Yellow (0%)
- Black (51%)



- Cyan (76%)
- Magenta (87%)
- Yellow (51%)
- Black (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 51.9740, -13.1650, 34.8590 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 51.9740, -13.1650, 34.8590 by changing the saturation by 10% instead.



■ 51.9740, -13.1650,  
34.8590

■ 51.9740, -13.1650,  
34.8590

■ 255.0000, -0.0000,  
-0.0000

■ 26.2510, -15.5030,  
33.1770

■ 101.8650,  
-11.2400, 38.5200

■ 8.6640, -24.3960,  
23.6360

■ 127.6910,  
-10.6900, 39.5660

■ 7.1020, -17.2420,  
15.1260

■ 154.0440,  
-10.1860, 41.4460

■ 4.5940, -10.1800,  
8.2840

■ 180.7300, -6.4260,  
39.3820

■ 0.0000, 0.0000,  
0.0000

■ 205.2500, 3.4330,  
31.4090

■ 229.7590, 11.8250,

22.4890

246.1950, 4.1250,  
7.8450

51.9740, -13.1650,  
34.8590

51.9740, -13.1650,  
34.8590

41.6520, -14.9540,  
39.7500

62.2960, -11.3760,  
29.9680

31.9170, -17.0180,  
44.1180

72.0310, -9.3120,  
25.6000

25.7260, -17.7980,  
47.2420

82.0540, -8.1190,  
20.4970

91.7890, -6.0550,  
16.1290

102.1110, -4.2660,  
11.2380

■ 112.4330, -2.4770,  
6.3470

■ 122.1680, -0.4130,  
1.9790

■ 132.1910, 0.7800,  
-3.1240

■ 141.9260, 2.8440,  
-7.4920

# Harmonies

## Analogous

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



49.9890, -62.2200, 15.2840



51.9740, -13.1650, 34.8590



43.6340, 38.1830, 51.4230

# Triad

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



51.9740, -13.1650, 34.8590



49.5260, 45.2530, 0.3650



48.3860, -39.7940, -16.7060

# Complementary

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



51.9740, -13.1650, 34.8590



107.0260, 13.1650, -34.8590

# 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.



41.5120, -23.1940, -31.2100



51.9740, -13.1650, 34.8590



49.3280, 18.8470, -16.6810

# Square

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



51.9740, -13.1650, 34.8590



35.2820, 70.3280, 25.0160



37.5680, -17.6000, -33.4720



53.4020, -53.9180, -3.0220



# Rectangle

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



51.9740, -13.1650, 34.8590



44.1010, 55.5610, 44.8490



37.5680, -17.6000, -33.4720



45.9750, -34.3830, -21.1590

# Sweetspot

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



51.9740, -13.1650, 34.8590



134.3930, -5.0000, 13.5280



81.7570, -47.7280, -5.0720



64.6010, -2.8900, 8.3260



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



51.9740, -13.1650, 34.8590



47.6860, -20.3210, 54.4230



65.7280, 14.2510, 44.6110



58.3960, -1.0550, 2.6010



25.9540, -18.4400, 47.8640



0.0000, 0.0000, 0.0000



# Inverse Universe

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



68.2170, 34.5630, 39.9310



72.8690, 53.9990, 62.1510



93.2720, -14.2510, -44.6110



59.6630, 2.5670, 3.0390



48.4180, 47.7190, 54.8150

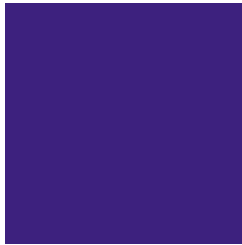


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 51.9740, -13.1650, 34.8590 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 ✓ Pass



# Black Background



This preview shows how the YIQ color 51.9740, -13.1650, 34.8590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

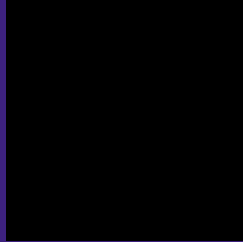
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 51.9740, -13.1650, 34.8590

## Background



This preview shows how black text looks on a background with the YIQ color 51.9740, -13.1650, 34.8590.



This preview shows how white text looks on a background with the YIQ color 51.9740, -13.1650,



# 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

51.9740, -13.1650, 34.8590

### Protanopia

43.0640, -49.6100, 7.0140

### Deuteranopia

43.0010, -45.2990, 0.4690



## Tritanopia

52.0850, -10.5450, -1.6250

# Trichromacy



## Original Color

51.9740, -13.1650, 34.8590

## Protanomaly

46.2170, -36.4990, 17.2050

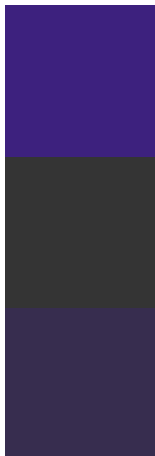
## Deuteranomaly

46.2510, -33.8390, 13.0490

## Tritanomaly

52.2180, -11.8770, 11.5070

# Monochromacy



## Original Color

51.9740, -13.1650, 34.8590

## Achromatopsia

52.0000, -0.0000, -0.0000

## Achromatomaly

51.8660, -4.9540, 12.6940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 51.9740, -13.1650, 34.8590 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(61, 33, 126)` looks like.

```
.text, #text, p{  
    color:rgb(61, 33, 126)  
}
```

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(61, 33, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 33, 126) }
```

## Border

The CSS property to change the border of an element to YIQ 51.9740, -13.1650, 34.8590 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(61, 33, 126) }
```



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

```
.border{ border-color:rgb(61, 33, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 33, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 33, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 33, 126);  
box-shadow:4px 4px 4px 4px rgb(61, 33,  
126) }
```

# Background

The CSS property to change the background color of an element to YIQ 51.9740, -13.1650, 34.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 33, 126) }
```

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

```
.background{ background-color: rgb(61, 33,  
126) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor