

# Converting Colors

YIQ(49.4320, -19.0720, -6.7840)

Have a look what the booklet for  
YIQ(49.4320, -19.0720, -6.7840)  
contains.

|  |    |
|--|----|
| <b>YIQ(49.4320, -19.0720, -6.7840)</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(49.4320, -19.0720,  
-6.7840)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 1B3B3B                     |
| RGB         | 27, 59, 59                 |
| RGB Percent | 11%, 23%, 23%              |
| CMY         | 0.8942, 0.7686, 0.7687     |
| CMYK        | 0.54, 0.00, 0.00, 0.77     |
| HSL         | 180°, 37%, 17%             |
| HSV         | 180°, 54%, 23%             |
| XYZ         | 2.8051, 3.6776, 4.6971     |
| YIQ         | 49.4320, -19.0720, -6.7840 |

# Conversions

## Conversions Part 2

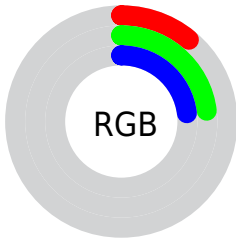
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 27, 43, 59                   |
| Decimal                             | 1784635                      |
| CIE <sub>Lab</sub>                  | 22.58, -11.76, -3.63         |
| CIE <sub>LCh</sub>                  | 23, 12.308, 197.170          |
| Yxy                                 | 3.6776, 0.2509,<br>0.3290    |
| Android<br>(android.graphics.Color) | 4279974715<br>(0xFF1B3B3B)   |
| YUV                                 | 49.4320, 4.7170,<br>-19.6729 |
| Hunter-Lab                          | 19.1771, -7.4507,<br>-1.0979 |

# Details

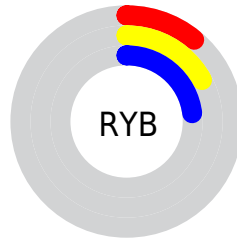
The YIQ color **49.4320, -19.0720, -6.7840** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **36.5680, 19.0720, 6.7840**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.4320, -19.0720, -6.7840**, and **11.9170, -10.1320, -3.6040** is the 20% darker color. If you saturate the color by 10%, you get **47.6380, -22.6480, -8.0560**, and if you desaturate by 10%, it is **51.2260, -15.4960, -5.5120**.

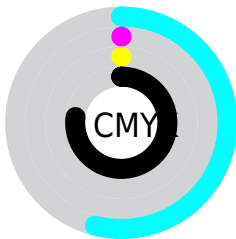
# Distribution



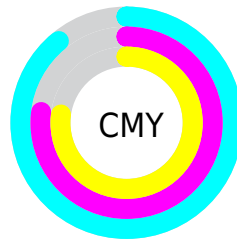
- Red (11%)
- Green (23%)
- Blue (23%)



- Red (11%)
- Yellow (17%)
- Blue (23%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (77%)



- Cyan (89%)
- Magenta (77%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 49.4320, -19.0720, -6.7840 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 49.4320, -19.0720, -6.7840 by changing the saturation by 10% instead.



■ 49.4320, -19.0720,  
-6.7840

■ 49.4320, -19.0720,  
-6.7840

■ 255.0000, -0.0000,  
-0.0000

■ 26.8340, -20.2640,  
-7.2080

■ 96.4320, -19.0720,  
-6.7840

■ 11.8030, -9.8110,  
-3.9150

■ 121.7200,  
-19.9430, -7.5190

■ 0.0000, 0.0000,  
0.0000


■ 147.7200,  
-19.9430, -7.5190


■ 174.4210,  
-20.5390, -7.7310


■ 201.5350,  
-20.8600, -7.4200


■ 230.1220,


-21.1350, -7.9430


 248.4220,  
-13.1120, -4.6640


 49.4320, -19.0720,  
-6.7840


 49.4320, -19.0720,  
-6.7840


 47.6380, -22.6480,  
-8.0560


 51.2260, -15.4960,  
-5.5120


 45.8440, -26.2240,  
-9.3280


 53.0200, -11.9200,  
-4.2400


 44.0500, -29.8000,  
-10.6000

 54.8140, -8.3440,  
-2.9680

 42.2560, -33.3760,  
-11.8720

 56.6080, -4.7680,  
-1.6960

 41.3590, -35.1640,  
-12.5080

 58.1030, -1.7880,  
-0.6360

■ 59.8970, 1.7880,  
0.6360

■ 61.6910, 5.3640,  
1.9080

■ 63.4850, 8.9400,  
3.1800

■ 65.2790, 12.5160,  
4.4520

# Harmonies

## Analogous

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



50.4990, -12.0110, -8.0990



49.4320, -19.0720, -6.7840



49.7570, -21.3650, -3.7730

# Triad

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



49.4320, -19.0720, -6.7840



55.4120, 2.0160, 7.5200



53.7640, 12.2880, -2.4320

# Complementary

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



49.4320, -19.0720, -6.7840



36.5680, 19.0720, 6.7840

# 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.



54.3670, 15.0840, 1.9640



49.4320, -19.0720, -6.7840



55.7180, 9.9020, 7.7740

# Square

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



49.4320, -19.0720, -6.7840



54.1550, -7.5660, 4.9620



54.7030, 14.2580, 5.9220



52.8340, 6.0990, -5.9090



# Rectangle

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



49.4320, -19.0720, -6.7840



51.4200, -18.7980, -0.7340



54.7030, 14.2580, 5.9220



54.1880, 14.0300, -0.9620

# Sweetspot

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



49.4320, -19.0720, -6.7840



72.9990, -7.4270, -3.0670



46.0830, -8.2040, -16.5240



35.9070, -4.1720, -1.4840



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



49.4320, -19.0720, -6.7840



61.9360, -29.4790, -10.9110



40.6270, -14.9470, 1.0610



30.1030, -1.7880, -0.6360



65.8940, -56.0240, -19.9280



155.6220, -132.3120, -47.0640



# Inverse Universe

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



36.5680, 19.0720, 6.7840



41.9500, 29.8000, 10.6000



45.3730, 14.9470, -1.0610



28.8970, 1.7880, 0.6360



28.1060, 56.0240, 19.9280

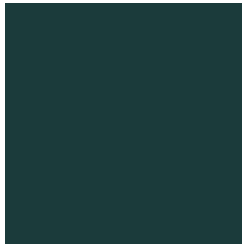


66.3780, 132.3120, 47.0640



# Previews

## White Background



This preview shows how the YIQ color 49.4320, -19.0720, -6.7840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

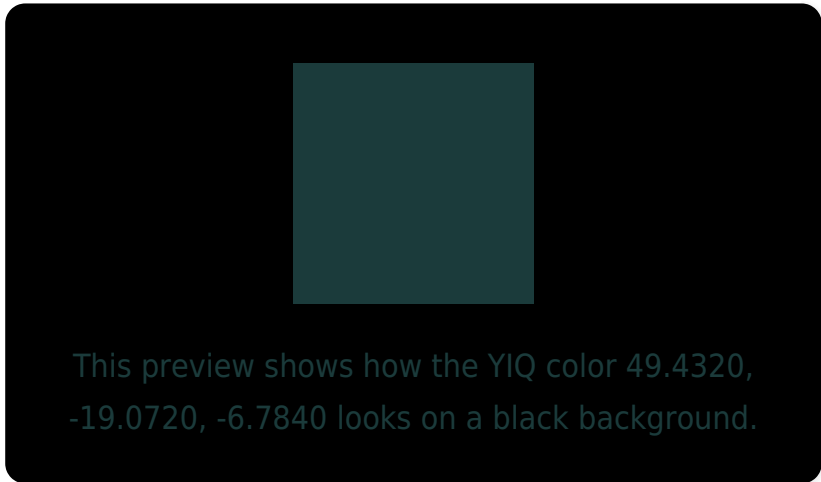
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

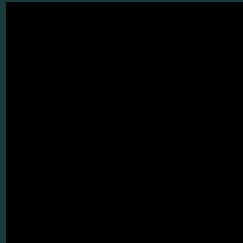
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 49.4320, -19.0720, -6.7840**

## **Background**



This preview shows how black text looks on a background with the YIQ color 49.4320, -19.0720, -6.7840.



This preview shows how white text looks on a background with the YIQ color 49.4320, -19.0720,

-6.7840.

# 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

49.4320, -19.0720, -6.7840

### Protanopia

54.2280, -0.6420, 0.6220

### Deuteranopia

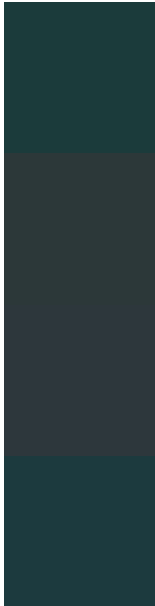
54.1080, -0.1840, 3.3360



## Tritanopia

49.8990, -18.8890, -4.5930

# Trichromacy



## Original Color

49.4320, -19.0720, -6.7840

## Protanomaly

52.5260, -7.4730, -2.2330

## Deuteranomaly

52.5800, -7.5650, -0.5650

## Tritanomaly

49.4860, -19.1640, -5.1160

# Monochromacy



## Original Color

49.4320, -19.0720, -6.7840

## Achromatopsia

49.0000, -0.0000, -0.0000

## Achromatomaly

49.4120, -7.1520, -2.5440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 49.4320, -19.0720, -6.7840 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(27, 59, 59)` looks like.

```
.text, #text, p{  
    color:rgb(27, 59, 59)  
}
```

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(27, 59, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 59, 59) }
```

## Border

The CSS property to change the border of an element to YIQ 49.4320, -19.0720, -6.7840 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(27, 59, 59) }
```



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

```
.border{ border-color:rgb(27, 59, 59) }
```

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

Here you see how a box with a 4 pixel rgb(27, 59, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 59, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 59, 59);  
box-shadow:4px 4px 4px 4px rgb(27, 59, 59)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 49.4320, -19.0720, -6.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 59, 59) }
```

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

```
.background{ background-color: rgb(27, 59,  
59) }
```

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