

Converting Colors

YIQ(49.9560, -5.8680, -3.7880)

Have a look what the booklet for
YIQ(49.9560, -5.8680, -3.7880)
contains.

YIQ(49.9560, -5.8680, -3.7880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(49.9560, -5.8680,
-3.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	2A3632
RGB	42, 54, 50
RGB Percent	16%, 21%, 20%
CMY	0.8353, 0.7882, 0.8039
CMYK	0.22, 0.00, 0.07, 0.79
HSL	160°, 13%, 19%
HSV	160°, 22%, 21%
XYZ	2.8495, 3.3611, 3.5156
YIQ	49.9560, -5.8680, -3.7880

Conversions

Conversions Part 2

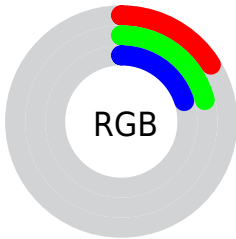
Format	Color
R_YB	42, 49, 54
Decimal	2766386
CIE Lab	21.44, -6.03, 0.86
CIE LCh	21, 6.094, 171.902
Yxy	3.3611, 0.2930, 0.3456
Android (android.graphics.Color)	4280956466 (0xFF2A3632)
YUV	49.9560, 0.0217, -6.9774
Hunter-Lab	18.3334, -4.3393, 1.4639

Details

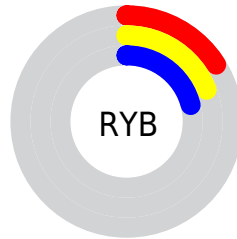
The YIQ color **49.9560, -5.8680, -3.7880** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **46.0440, 5.8680, 3.7880**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.2440, -6.7390, -4.5230**, and **6.2120, -3.7130, -4.2970** is the 20% darker color. If you saturate the color by 10%, you get **48.2330, -8.2060, -5.4700**, and if you desaturate by 10%, it is **51.6790, -3.5300, -2.1060**.

Distribution



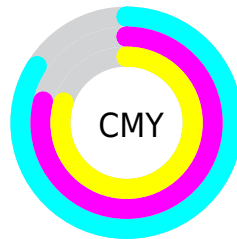
- Red (16%)
- Green (21%)
- Blue (20%)



- Red (16%)
- Yellow (19%)
- Blue (21%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (79%)



- Cyan (84%)
- Magenta (79%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.9560, -5.8680, -3.7880 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 49.9560, -5.8680, -3.7880 by changing the saturation by 10% instead.

■ 49.9560, -5.8680,
-3.7880

■ 49.9560, -5.8680,
-3.7880

■ 255.0000, -0.0000,
-0.0000

■ 28.9560, -5.8680,
-3.7880

■ 96.2440, -6.7390,
-4.5230

■ 6.2120, -3.7130,
-4.2970

■ 121.2440, -6.7390,
-4.5230

■ 0.0000, 0.0000,
0.0000

■ 146.9450, -7.3350,
-4.7350

■ 173.2440, -6.7390,
-4.5230

■ 200.8310, -7.0140,
-5.0460

■ 228.9450, -7.3350,

-4.7350

252.6080, -4.7680,
-1.6960

49.9560, -5.8680,
-3.7880

49.9560, -5.8680,
-3.7880

48.2330, -8.2060,
-5.4700

51.6790, -3.5300,
-2.1060

46.2110, -11.1400,
-7.3640

53.7010, -0.5960,
-0.2120

44.6020, -13.7990,
-8.7350

55.3100, 2.0630,
1.1590

42.5800, -16.7330,
-10.6290

57.3320, 4.9970,
3.0530

40.8570, -19.0710,
-12.3110

59.0550, 7.3350,
4.7350

■ 39.1340, -21.4090,
-13.9930

■ 60.7780, 9.6730,
6.4170

■ 37.1120, -24.3430,
-15.8870

■ 62.8000, 12.6070,
8.3110

■ 35.8020, -26.4060,
-17.0460

■ 64.4090, 15.2660,
9.6820

■ 66.4310, 18.2000,
11.5760

Harmonies

Analogous

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



50.1090, -1.9250, -3.6610



49.9560, -5.8680, -3.7880



49.9280, -8.6650, -2.6570

Triad

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



49.9560, -5.8680, -3.7880



52.0260, -2.8890, 2.7990



51.8330, 7.8400, 1.0880

Complementary

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



49.9560, -5.8680, -3.7880



46.0440, 5.8680, 3.7880

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.



51.8870, 7.7480, 2.7560



49.9560, -5.8680, -3.7880



52.0050, 1.6040, 3.9720

Square

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



49.9560, -5.8680, -3.7880



50.8190, -6.7400, 1.0040



52.1580, 5.5470, 4.0990



51.5830, 5.5480, -1.4280

Rectangle

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



49.9560, -5.8680, -3.7880



50.1560, -9.3070, -2.0350



52.1580, 5.5470, 4.0990



51.9470, 7.5190, 1.3990

Sweetspot

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



49.9560, -5.8680, -3.7880



69.3910, -2.6590, -1.3710



50.2400, -0.9160, -5.4280



34.9890, -1.4670, -0.9470



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



49.9560, -5.8680, -3.7880



64.6350, -9.3980, -5.8940



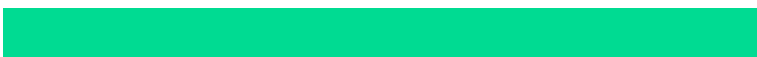
49.2380, -6.6020, -1.4980



26.9890, -1.4670, -0.9470



60.9580, -44.8810, -29.1450



145.1970, -107.0910, -69.1310

Inverse Universe

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



46.0440, 5.8680, 3.7880



58.4790, 9.0770, 6.2050



46.7620, 6.6020, 1.4980



26.0110, 1.4670, 0.9470



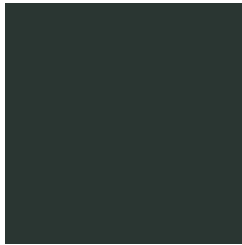
31.0420, 44.8810, 29.1450



73.8030, 107.0910, 69.1310

Previews

White Background



This preview shows how the YIQ color 49.9560, -5.8680, -3.7880 looks on a white background.

Color Contrast Check

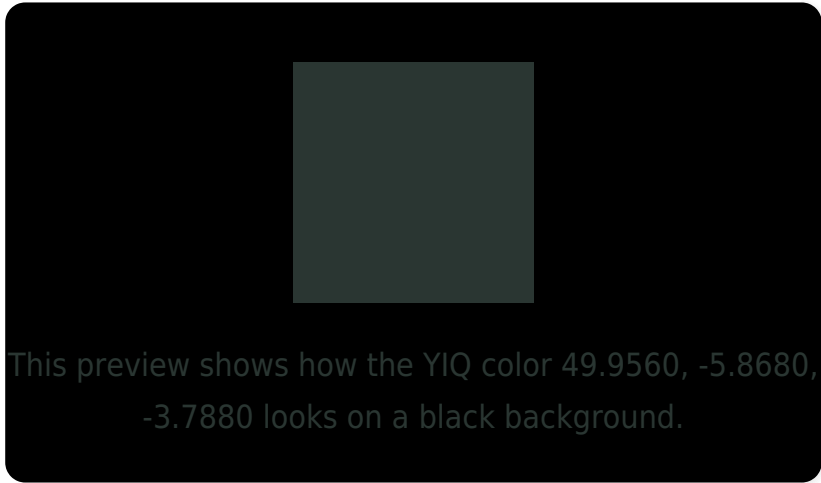
Large Text (above 18pt) WCAG AA ✓ Pass

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

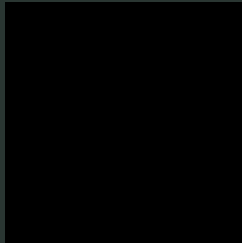
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.9560, -5.8680, -3.7880

Background



This preview shows how black text looks on a background with the YIQ color 49.9560, -5.8680, -3.7880.



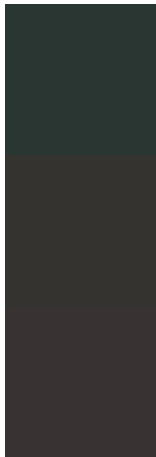
This preview shows how white text looks on a background with the YIQ color 49.9560, -5.8680, -3.7880.

-3.7880.

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

49.9560, -5.8680, -3.7880

Protanopia

51.2560, 2.1550, -0.5090

Deuteranopia

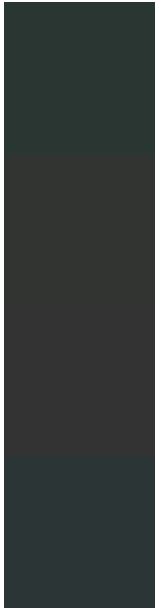
51.9080, 3.2550, 1.5830



Tritanopia

50.4660, -7.2440, -0.8760

Trichromacy



Original Color

49.9560, -5.8680, -3.7880

Protanomaly

50.7610, -0.8250, -1.5690

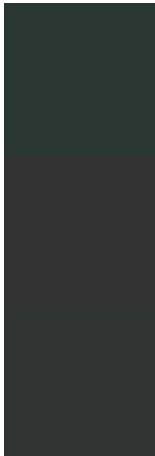
Deuteranomaly

51.0000, -0.0000, -0.0000

Tritanomaly

50.1240, -6.2810, -1.8090

Monochromacy



Original Color

49.9560, -5.8680, -3.7880

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.6900, -2.0630, -1.1590

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.9560, -5.8680, -3.7880 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(42, 54, 50)` looks like.

```
.text, #text, p{  
    color:rgb(42, 54, 50)  
}
```

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(42, 54, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 54, 50) }
```

Border

The CSS property to change the border of an element to YIQ 49.9560, -5.8680, -3.7880 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(42, 54, 50) }
```


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

```
.border{ border-color:rgb(42, 54, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 54, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 54, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 54, 50);  
box-shadow:4px 4px 4px 4px rgb(42, 54, 50)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.9560, -5.8680, -3.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 54, 50) }
```

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

```
.background{ background-color: rgb(42, 54,  
50) }
```

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