

Converting Colors

YIQ(49.2770, -2.3380, -1.6820)

Have a look what the booklet for
YIQ(49.2770, -2.3380, -1.6820)
contains.

YIQ(49.2770, -2.3380, -1.6820)	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(49.2770, -2.3380,
-1.6820)**

Conversions

Conversions Part 1

Format	Color
Hex	2E3331
RGB	46, 51, 49
RGB Percent	18%, 20%, 19%
CMY	0.8196, 0.8000, 0.8078
CMYK	0.10, 0.00, 0.04, 0.80
HSL	156°, 5%, 19%
HSV	156°, 10%, 20%
XYZ	2.8648, 3.1703, 3.3665
YIQ	49.2770, -2.3380, -1.6820

Conversions

Conversions Part 2

Format	Color
RYB	46, 49, 51
Decimal	3027761
CIE Lab	20.71, -2.64, 0.53
CIE LCh	21, 2.695, 168.725
Yxy	3.1703, 0.3047, 0.3372
Android (android.graphics.Color)	4281217841 (0xFF2E3331)
YUV	49.2770, -0.1366, -2.8739
Hunter-Lab	17.8054, -2.4396, 1.2539

Details

The YIQ color **49.2770, -2.3380, -1.6820** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **47.7230, 2.3380, 1.6820**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **95.2770, -2.3380, -1.6820**, and **3.0490, -1.6960, -2.3040** is the 20% darker color. If you saturate the color by 10%, you get **47.5540, -4.6760, -3.3640**, and if you desaturate by 10%, it is **51.0000, -0.0000, -0.0000**.

Distribution



- Red (18%)
- Green (20%)
- Blue (19%)



- Red (18%)
- Yellow (19%)
- Blue (20%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (80%)



- Cyan (82%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.2770, -2.3380, -1.6820 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 49.2770, -2.3380, -1.6820 by changing the saturation by 10% instead.

■ 49.2770, -2.3380,
-1.6820

■ 49.2770, -2.3380,
-1.6820

■ 255.0000, -0.0000,
-0.0000

■ 28.2770, -2.3380,
-1.6820

■ 95.2770, -2.3380,
-1.6820

■ 3.0490, -1.6960,
-2.3040

■ 119.9780, -2.9340,
-1.8940

■ 0.0000, 0.0000,
0.0000

■ 145.8640, -2.6130,
-2.2050

■ 171.9780, -2.9340,
-1.8940

■ 199.5650, -3.2090,
-2.4170

■ 227.5650, -3.2090,

-2.4170

254.1030, -1.7880,
-0.6360

■ 49.2770, -2.3380,
-1.6820

■ 49.2770, -2.3380,
-1.6820

■ 47.5540, -4.6760,
-3.3640

■ 51.0000, -0.0000,
-0.0000

■ 45.8310, -7.0140,
-5.0460

■ 52.7230, 2.3380,
1.6820

■ 44.1080, -9.3520,
-6.7280

■ 54.4460, 4.6760,
3.3640

■ 42.3850, -11.6900,
-8.4100

■ 56.1690, 7.0140,
5.0460

■ 40.3630, -14.6240,
-10.3040

■ 57.8920, 9.3520,
6.7280

■ 38.6400, -16.9620,
-11.9860

■ 59.9140, 12.2860,
8.6220

■ 36.9170, -19.3000,
-13.6680

■ 61.6370, 14.6240,
10.3040

■ 35.1940, -21.6380,
-15.3500

■ 63.3600, 16.9620,
11.9860

■ 33.4710, -23.9760,
-17.0320

■ 65.0830, 19.3000,
13.6680

Harmonies

Analogous

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



49.6470, -0.5040, -1.8800



49.2770, -2.3380, -1.6820



49.2060, -3.5760, -1.2720

Triad

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



49.2770, -2.3380, -1.6820



50.1570, -1.8800, 1.0320



50.2670, 3.6220, 0.4380

Complementary

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



49.2770, -2.3380, -1.6820



47.7230, 2.3380, 1.6820

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.



50.4950, 2.9800, 1.0600



49.2770, -2.3380, -1.6820



50.2390, 0.8250, 1.5690

Square

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



49.2770, -2.3380, -1.6820



49.5590, -3.0720, 0.6080



50.7230, 2.3380, 1.6820



49.5550, 2.7510, -0.2970

Rectangle

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



49.2770, -2.3380, -1.6820



49.3200, -3.8970, -0.9610



50.7230, 2.3380, 1.6820



50.2670, 3.6220, 0.4380

Sweetspot

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



49.2770, -2.3380, -1.6820



65.4020, -1.1920, -0.4240



49.5330, -0.1830, -2.1910



32.7010, -0.5960, -0.2120



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



49.2770, -2.3380, -1.6820



63.2660, -3.8050, -2.6290



49.5050, -2.9800, -1.0600



24.8750, -1.1460, -1.2580



58.3990, -41.8090, -29.7530



142.1990, -101.4050, -73.0610

Inverse Universe

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



47.7230, 2.3380, 1.6820



60.8480, 3.4840, 2.9400



47.4950, 2.9800, 1.0600



24.0110, 1.4670, 0.9470



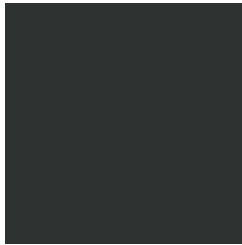
30.7150, 41.4880, 30.0640



74.8010, 101.4050, 73.0610

Previews

White Background



This preview shows how the YIQ color 49.2770, -2.3380, -1.6820 looks on a white background.

Color Contrast Check

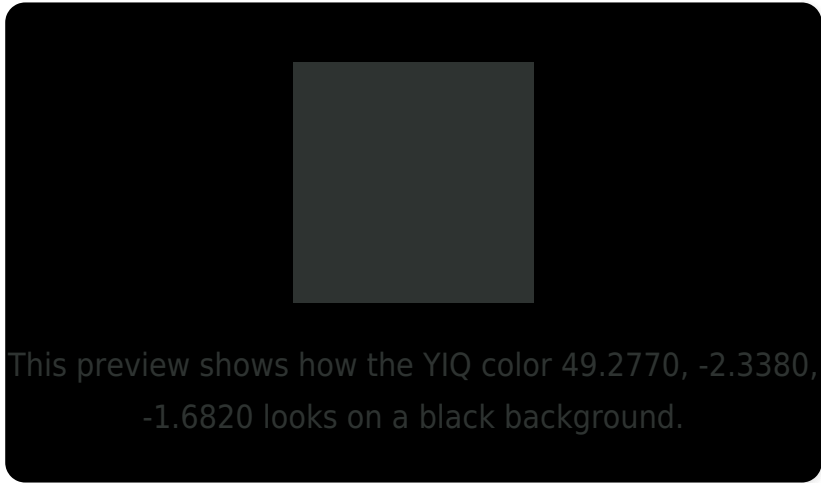
Large Text (above 18pt) WCAG AA ✓ Pass

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

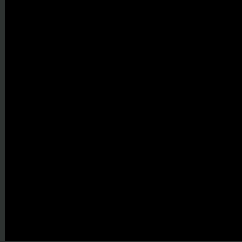
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.2770, -2.3380, -1.6820

Background



This preview shows how black text looks on a background with the YIQ color 49.2770, -2.3380, -1.6820.



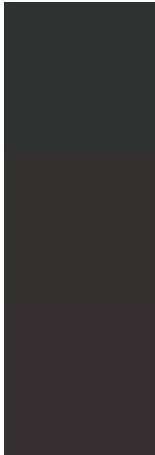
This preview shows how white text looks on a background with the YIQ color 49.2770, -2.3380,

-1.6820.

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

49.2770, -2.3380, -1.6820

Protanopia

50.0710, 1.2380, -0.4100

Deuteranopia

50.3210, 3.5300, 2.1060



Tritanopia

49.5590, -3.0720, 0.6080

Trichromacy



Original Color

49.2770, -2.3380, -1.6820

Protanomaly

49.4730, 0.0460, -0.8340

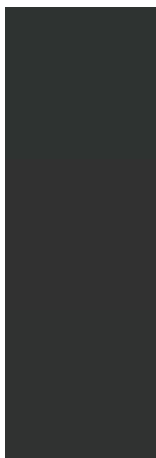
Deuteranomaly

50.0110, 1.4670, 0.9470

Tritanomaly

49.3310, -2.4300, -0.0140

Monochromacy



Original Color

49.2770, -2.3380, -1.6820

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.2880, -0.8710, -0.7350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.2770, -2.3380, -1.6820 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(46, 51, 49)` looks like.

```
.text, #text, p{  
    color:rgb(46, 51, 49)  
}
```

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(46, 51, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 51, 49) }
```

Border

The CSS property to change the border of an element to YIQ 49.2770, -2.3380, -1.6820 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(46, 51, 49) }
```


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

```
.border{ border-color:rgb(46, 51, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 51, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 51, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 51, 49);  
box-shadow:4px 4px 4px 4px rgb(46, 51, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.2770, -2.3380, -1.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 51, 49) }
```

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

```
.background{ background-color: rgb(46, 51,  
49) }
```

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