

Converting Colors

YIQ(48.2760, -9.7650, -4.7490)

Have a look what the booklet for
YIQ(48.2760, -9.7650, -4.7490)
contains.

YIQ(48.2760, -9.7650, -4.7490)	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(48.2760, -9.7650,
-4.7490)**

Conversions

Conversions Part 1

Format	Color
Hex	243633
RGB	36, 54, 51
RGB Percent	14%, 21%, 20%
CMY	0.8589, 0.7882, 0.8000
CMYK	0.33, 0.00, 0.06, 0.79
HSL	170°, 20%, 18%
HSV	170°, 33%, 21%
XYZ	2.6440, 3.2528, 3.6194
YIQ	48.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

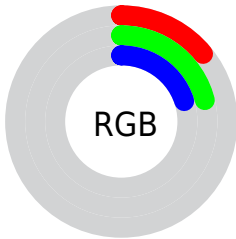
Format	Color
RYB	36, 46, 54
Decimal	2373171
CIELab	21.03, -8.11, -0.46
CIELCh	21, 8.123, 183.268
Yxy	3.2528, 0.2778, 0.3418
Android (android.graphics.Color)	4280563251 (0xFF243633)
YUV	48.2760, 1.3429, -10.7661
Hunter-Lab	18.0356, -5.3943, 0.7266

Details

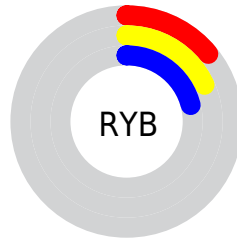
The YIQ color **48.2760, -9.7650, -4.7490** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **41.7240, 9.7650, 4.7490**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **94.5640, -10.6360, -5.4840**, and **4.6790, -3.5300, -2.1060** is the 20% darker color. If you saturate the color by 10%, you get **46.6670, -12.4240, -6.1200**, and if you desaturate by 10%, it is **49.8850, -7.1060, -3.3780**.

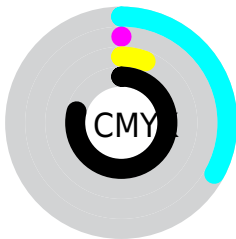
Distribution



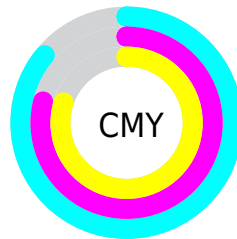
- Red (14%)
- Green (21%)
- Blue (20%)



- Red (14%)
- Yellow (18%)
- Blue (21%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (79%)



- Cyan (86%)
- Magenta (79%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 48.2760, -9.7650, -4.7490 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 48.2760, -9.7650, -4.7490 by changing the saturation by 10% instead.

■ 48.2760, -9.7650,
-4.7490

■ 48.2760, -9.7650,
-4.7490

■ 255.0000, -0.0000,
-0.0000

■ 27.2760, -9.7650,
-4.7490

■ 94.5640, -10.6360,
-5.4840

■ 4.6790, -3.5300,
-2.1060

■ 119.5640,
-10.6360, -5.4840

■ 0.0000, 0.0000,
0.0000

■ 145.2650,
-11.2320, -5.6960

■ 171.2650,
-11.2320, -5.6960

■ 198.9660,
-11.8280, -5.9080

■ 226.9660,

-11.8280, -5.9080

■ 250.5150, -8.9400,
-3.1800

■ 48.2760, -9.7650,
-4.7490

■ 48.2760, -9.7650,
-4.7490

■ 46.6670, -12.4240,
-6.1200

■ 49.8850, -7.1060,
-3.3780

■ 44.7590, -15.6790,
-7.7030

■ 51.7930, -3.8510,
-1.7950

■ 43.1500, -18.3380,
-9.0740

■ 53.4020, -1.1920,
-0.4240

■ 41.2420, -21.5930,
-10.6570

■ 55.3100, 2.0630,
1.1590

■ 39.6330, -24.2520,
-12.0280

■ 56.9190, 4.7220,
2.5300

■ 38.1380, -27.2320,
-13.0880

■ 58.4140, 7.7020,
3.5900

■ 36.8280, -29.2950,
-14.2470

■ 60.3220, 10.9570,
5.1730

■ 61.9310, 13.6160,
6.5440

■ 63.8390, 16.8710,
8.1270

Harmonies

Analogous

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



48.5000, -4.5840, -5.0320



48.2760, -9.7650, -4.7490



48.3620, -12.8830, -3.3070

Triad

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



48.2760, -9.7650, -4.7490



51.2650, -2.0640, 4.3680



50.6760, 9.7200, 0.0560

Complementary

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



48.2760, -9.7650, -4.7490



41.7240, 9.7650, 4.7490

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.



51.4420, 10.4990, 2.4590



48.2760, -9.7650, -4.7490



51.6140, 4.2630, 5.3430

Square

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



48.2760, -9.7650, -4.7490



50.4600, -7.1070, 2.1490



51.5390, 8.8480, 4.8480



50.2410, 6.5110, -2.3610

Rectangle

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



48.2760, -9.7650, -4.7490



48.7150, -12.3790, -1.4270



51.5390, 8.8480, 4.8480



51.0890, 9.9950, 0.5790

Sweetspot

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



48.2760, -9.7650, -4.7490



68.7930, -3.8510, -1.7950



47.4630, -3.1620, -8.7780



34.3910, -2.6590, -1.3710



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.



48.2760, -9.7650, -4.7490



62.1720, -15.4040, -7.1800



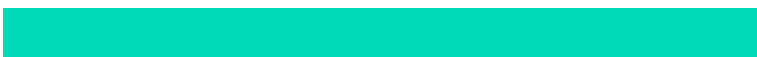
45.0960, -9.0780, -0.6780



27.1030, -1.7880, -0.6360



62.6680, -49.6960, -24.4800



149.4150, -118.9680, -57.6240

Inverse Universe

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



41.7240, 9.7650, 4.7490



51.9420, 15.0830, 7.4910



44.9040, 9.0780, 0.6780



26.0110, 1.4670, 0.9470



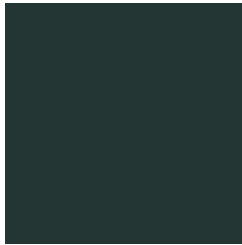
29.2180, 50.0170, 24.1690



69.6990, 118.6470, 57.9350

Previews

White Background



This preview shows how the YIQ color 48.2760, -9.7650, -4.7490 looks on a white background.

Color Contrast Check

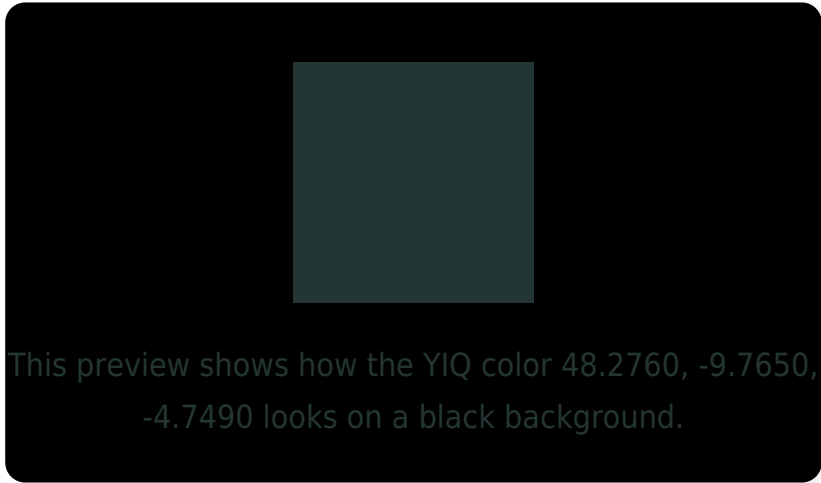
Large Text (above 18pt) WCAG AA ✓ Pass

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

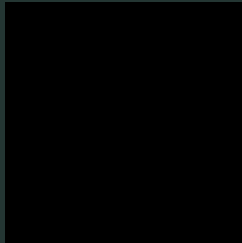
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 48.2760, -9.7650, -4.7490

Background



This preview shows how black text looks on a background with the YIQ color 48.2760, -9.7650, -4.7490.



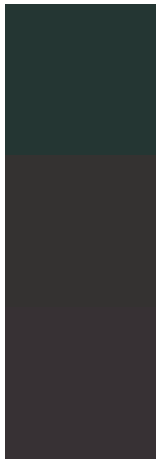
This preview shows how white text looks on a background with the YIQ color 48.2760, -9.7650, -4.7490.

-4.7490.

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

48.2760, -9.7650, -4.7490

Protanopia

50.4840, 1.5130, 0.1130

Deuteranopia

51.1360, 2.6130, 2.2050



Tritanopia

48.6720, -10.8200, -2.1480

Trichromacy



Original Color

48.2760, -9.7650, -4.7490

Protanomaly

49.3910, -2.6590, -1.3710

Deuteranomaly

50.2170, -2.1090, -0.3250

Tritanomaly

48.4440, -10.1780, -2.7700

Monochromacy



Original Color

48.2760, -9.7650, -4.7490

Achromatopsia

48.0000, -0.0000, 0.0000

Achromatomaly

48.0920, -3.2550, -1.5830

CSS Examples

Text

The CSS property to change the color of the text to YIQ 48.2760, -9.7650, -4.7490 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(36, 54, 51)` looks like.

```
.text, #text, p{  
    color:rgb(36, 54, 51)  
}
```

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(36, 54, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 54, 51) }
```

Border

The CSS property to change the border of an element to YIQ 48.2760, -9.7650, -4.7490 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(36, 54, 51) }
```


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

```
.border{ border-color:rgb(36, 54, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 54, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 54, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 54, 51);  
box-shadow:4px 4px 4px 4px rgb(36, 54, 51)  
}
```

Background

The CSS property to change the background color of an element to YIQ 48.2760, -9.7650, -4.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 54, 51) }
```

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

```
.background{ background-color: rgb(36, 54,  
51) }
```

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