

# Converting Colors

YIQ(46.8340, -11.0960, 2.8560)

Have a look what the booklet for  
YIQ(46.8340, -11.0960, 2.8560)  
contains.

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# Color

**YIQ(46.8340, -11.0960,  
2.8560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	263040
RGB	38, 48, 64
RGB Percent	15%, 19%, 25%
CMY	0.8510, 0.8117, 0.7491
CMYK	0.41, 0.25, 0.00, 0.75
HSL	217°, 25%, 20%
HSV	217°, 41%, 25%
XYZ	2.7813, 2.8963, 5.2608
YIQ	46.8340, -11.0960, 2.8560

# Conversions

## Conversions Part 2

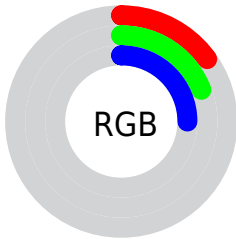
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 45, 64
Decimal	2502720
CIE Lab	19.62, 0.53, -11.42
CIE LCh	20, 11.436, 272.649
Yxy	2.8963, 0.2543, 0.2648
Android (android.graphics.Color)	4280692800 (0xFF263040)
YUV	46.8340, 8.4628, -7.7474
Hunter-Lab	17.0184, -0.6098, -6.4151

# Details

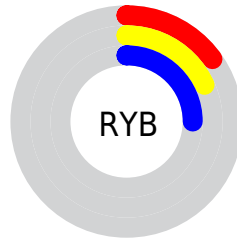
The YIQ color **46.8340, -11.0960, 2.8560** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **55.1660, 11.0960, -2.8560**, and the grayscale version is **47.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **93.0620, -11.7380, 3.4780**, and **3.0950, -7.3370, 6.3190** is the 20% darker color. If you saturate the color by 10%, you get **42.6920, -13.5720, 3.6760**, and if you desaturate by 10%, it is **50.9760, -8.6200, 2.0360**.

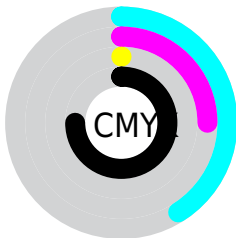
# Distribution



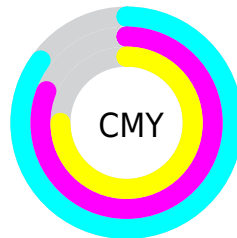
- Red (15%)
- Green (19%)
- Blue (25%)



- Red (15%)
- Yellow (18%)
- Blue (25%)



- Cyan (41%)
- Magenta (25%)
- Yellow (0%)
- Black (75%)



- Cyan (85%)
- Magenta (81%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 46.8340, -11.0960, 2.8560 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 46.8340, -11.0960, 2.8560 by changing the saturation by 10% instead.



■ 46.8340, -11.0960,  
2.8560

■ 46.8340, -11.0960,  
2.8560

■ 255.0000, -0.0000,  
-0.0000

■ 25.7200, -10.7750,  
2.5450

■ 93.0620, -11.7380,  
3.4780

■ 3.0950, -7.3370,  
6.3190

■ 117.7630,  
-12.3340, 3.2660

■ 0.0000, 0.0000,  
0.0000

■ 143.1760,  
-12.0590, 3.7890

■ 169.9910,  
-12.9760, 3.8880

■ 196.9910,  
-12.9760, 3.8880

■ 225.1050,

-13.2970, 4.1990

251.7110, -6.5560,  
-2.3320

46.8340, -11.0960,  
2.8560

46.8340, -11.0960,  
2.8560

42.6920, -13.5720,  
3.6760

50.9760, -8.6200,  
2.0360

38.2510, -16.6440,  
4.2840

55.4170, -5.5480,  
1.4280

34.1090, -19.1200,  
5.1040

59.5590, -3.0720,  
0.6080

29.6680, -22.1920,  
5.7120

64.0000, -0.0000,  
-0.0000

25.5260, -24.6680,  
6.5320

68.1420, 2.4760,  
-0.8200

■ 21.9710, -27.4190,  
6.8290

■ 72.2840, 4.9520,  
-1.6400

■ 76.7250, 8.0240,  
-2.2480

■ 80.2800, 10.7750,  
-2.5450

■ 84.7210, 13.8470,  
-3.1530

# Harmonies

## Analogous

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



44.4910, -17.5600, -1.1440



46.8340, -11.0960, 2.8560



48.3190, -2.1560, 6.0360

# Triad

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



46.8340, -11.0960, 2.8560



48.2360, 14.0750, 3.7310



44.6630, -6.6010, -7.0250

# Complementary

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



46.8340, -11.0960, 2.8560



55.1660, 11.0960, -2.8560

# 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.



46.2680, 1.8810, -6.5590



46.8340, -11.0960, 2.8560



47.5300, 13.0670, -0.0290

# Square

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



46.8340, -11.0960, 2.8560



48.5610, 11.7820, 6.7420



46.9700, 8.7120, -3.7040



43.7700, -14.2120, -6.7560



# Rectangle

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



46.8340, -11.0960, 2.8560



48.5970, 2.9330, 7.4210



46.9700, 8.7120, -3.7040



45.2180, -3.8500, -7.3220

# Sweetspot

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



46.8340, -11.0960, 2.8560



77.4880, -4.3100, 1.0180



55.0860, -12.2860, -8.6220



39.4450, -2.7510, 0.2970



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000



# Same Dimension

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



46.8340, -11.0960, 2.8560



57.0660, -17.5610, 4.3830



41.8610, -6.5580, 8.7220



30.9290, -1.2380, 0.4100



32.7770, -41.3120, 10.8160



76.0180, -95.5540, 24.6860



# Inverse Universe

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



46.9140, 12.2860, 8.6220



57.0830, 19.3000, 13.6680



60.1390, 6.5580, -8.7220



31.0110, 1.4670, 0.9470



33.2210, 45.9350, 32.0710

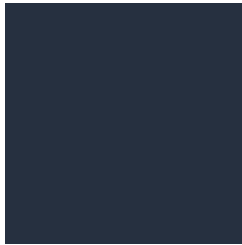


76.7800, 105.8980, 74.2340



# Previews

## White Background



This preview shows how the YIQ color 46.8340, -11.0960, 2.8560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

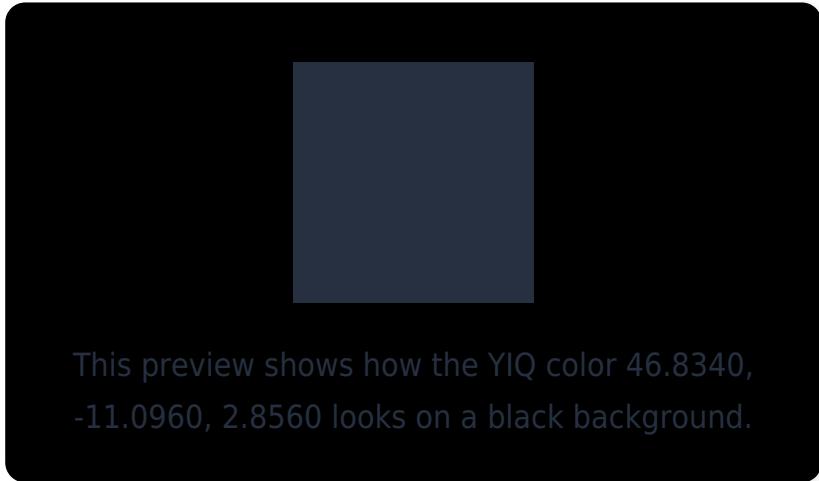
Any Text WCAG AA ✓ Pass

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

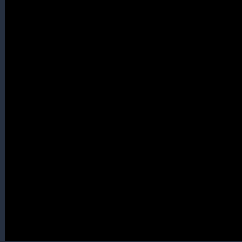
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

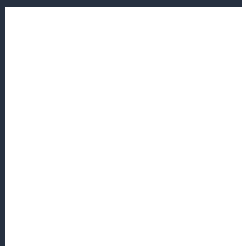
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 46.8340, -11.0960, 2.8560**

## **Background**



This preview shows how black text looks on a background with the YIQ color 46.8340, -11.0960, 2.8560.



This preview shows how white text looks on a background with the YIQ color 46.8340, -11.0960,



# 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

46.8340, -11.0960, 2.8560

### Protanopia

47.6280, -7.5200, 4.1280

### Deuteranopia

47.7420, -7.8410, 4.4390



**Tritanopia**

45.9710, -10.2240, -1.9360

# Trichromacy



## Original Color

46.8340, -11.0960, 2.8560

## Protanomaly

47.0300, -8.7120, 3.7040

## Deuteranomaly

47.1440, -9.0330, 4.0150

## Tritanomaly

46.1390, -10.6370, 0.0430

# Monochromacy



## Original Color

46.8340, -11.0960, 2.8560

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7870, -3.7140, 1.2300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 46.8340, -11.0960, 2.8560 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(38, 48, 64)` looks like.

```
.text, #text, p{  
    color:rgb(38, 48, 64)  
}
```

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(38, 48, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 48, 64) }
```

## Border

The CSS property to change the border of an element to YIQ 46.8340, -11.0960, 2.8560 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(38, 48, 64) }
```



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

```
.border{ border-color:rgb(38, 48, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 48, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 48, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 48, 64);  
box-shadow:4px 4px 4px 4px rgb(38, 48, 64)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 46.8340, -11.0960, 2.8560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 48, 64) }
```

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

```
.background{ background-color: rgb(38, 48,  
64) }
```

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](#).

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