

# Converting Colors

YIQ(46.5740, -33.7910, 1.1610)

Have a look what the booklet for  
YIQ(46.5740, -33.7910, 1.1610)  
contains.

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# Color

**YIQ(46.5740, -33.7910,  
1.1610)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0F3756
RGB	15, 55, 86
RGB Percent	6%, 22%, 34%
CMY	0.9412, 0.7842, 0.6629
CMYK	0.83, 0.36, 0.00, 0.66
HSL	206°, 70%, 20%
HSV	206°, 83%, 34%
XYZ	3.2418, 3.5066, 9.3016
YIQ	46.5740, -33.7910, 1.1610

# Conversions

## Conversions Part 2

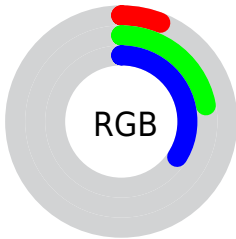
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	15, 41, 86
Decimal	997206
CIE <sub>Lab</sub>	21.97, -1.51, -22.62
CIE <sub>LCh</sub>	22, 22.671, 266.191
Yxy	3.5066, 0.2020, 0.2185
Android (android.graphics.Color)	4279187286 (0xFF0F3756)
YUV	46.5740, 19.4370, -27.6904
Hunter-Lab	18.7260, -1.8692, -16.3424

# Details

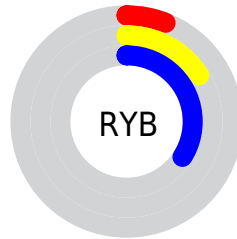
The YIQ color **46.5740, -33.7910, 1.1610** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **54.4260, 33.7910, -1.1610**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **96.3080, -29.9860, 3.7900**, and **11.1310, -16.1860, 6.9980** is the 20% darker color. If you saturate the color by 10%, you get **41.5350, -38.0550, 1.3450**, and if you desaturate by 10%, it is **51.6130, -29.5270, 0.9770**.

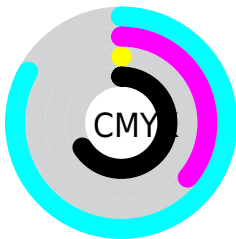
# Distribution



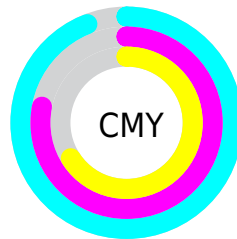
- Red (6%)
- Green (22%)
- Blue (34%)



- Red (6%)
- Yellow (16%)
- Blue (34%)



- Cyan (83%)
- Magenta (36%)
- Yellow (0%)
- Black (66%)



- Cyan (94%)
- Magenta (78%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 46.5740, -33.7910, 1.1610 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 46.5740, -33.7910, 1.1610 by changing the saturation by 10% instead.



■ 46.5740, -33.7910,  
1.1610

■ 46.5740, -33.7910,  
1.1610

■ 255.0000, -0.0000,  
-0.0000

■ 27.1400, -29.5730,  
1.8110

■ 96.3080, -29.9860,  
3.7900

■ 11.1310, -16.1860,  
6.9980

■ 120.8350,  
-30.0320, 4.6240

■ 2.7530, -6.3740,  
5.3860

■ 147.2480,  
-29.7570, 5.1470

■ 0.0000, 0.0000,  
0.0000

■ 174.0630,  
-30.6740, 5.2460

■ 202.1770,  
-30.9950, 5.5570

■ 228.0110,

-24.8960, -0.3520

■ 248.1230,  
-13.7080, -4.8760

■ 46.5740, -33.7910,  
1.1610

■ 46.5740, -33.7910,  
1.1610

■ 41.5350, -38.0550,  
1.3450

■ 51.6130, -29.5270,  
0.9770

■ 37.9800, -40.8060,  
1.6420

■ 56.3530, -25.8590,  
0.5810

■ 60.8050, -21.3200,  
0.9200

■ 65.5450, -17.6520,  
0.5240

■ 70.5840, -13.3880,  
0.3400

■ 75.6230, -9.1240,  
0.1560

■ 79.7760, -5.1810,  
0.2830

■ 84.8150, -0.9170,  
0.0990

■ 89.5550, 2.7510,  
-0.2970

# Harmonies

## Analogous

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



43.7530, -41.9050, -5.9770



46.5740, -33.7910, 1.1610



53.1750, -10.3180, 10.7860

# Triad

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



46.5740, -33.7910, 1.1610



53.0420, 26.5450, 9.0170



46.4680, -10.7260, -14.8700

# Complementary

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



46.5740, -33.7910, 1.1610



54.4260, 33.7910, -1.1610

# 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.



49.6180, 6.4670, -12.5810



46.5740, -33.7910, 1.1610



52.2880, 25.4920, 0.5640

# Square

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



46.5740, -33.7910, 1.1610



53.6810, 20.4920, 14.0920



51.1250, 18.3410, -7.5070



41.5070, -32.8250, -16.3530



# Rectangle

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



46.5740, -33.7910, 1.1610



54.5140, 1.9690, 13.8810



51.1250, 18.3410, -7.5070



47.7030, -4.0780, -14.2060

# Sweetspot

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



46.5740, -33.7910, 1.1610



96.5840, -13.3880, 0.3400



60.2110, -29.4760, -27.4920



46.8080, -8.2070, 0.0570



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



46.5740, -33.7910, 1.1610



50.6350, -52.9560, 1.5720



26.0290, -24.1660, 19.4660



40.6300, -1.8340, 0.1980



47.4180, -50.8470, 1.8970



104.2740, -111.7350, 4.0490



# Inverse Universe

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



40.7890, 29.4760, 27.4920



41.3710, 45.9330, 43.1250



74.9710, 24.1660, -19.4660



40.4240, 1.7420, 1.4700



38.8330, 44.5120, 41.3440



85.3130, 97.6880, 90.8720



# Previews

## White Background



This preview shows how the YIQ color 46.5740, -33.7910, 1.1610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

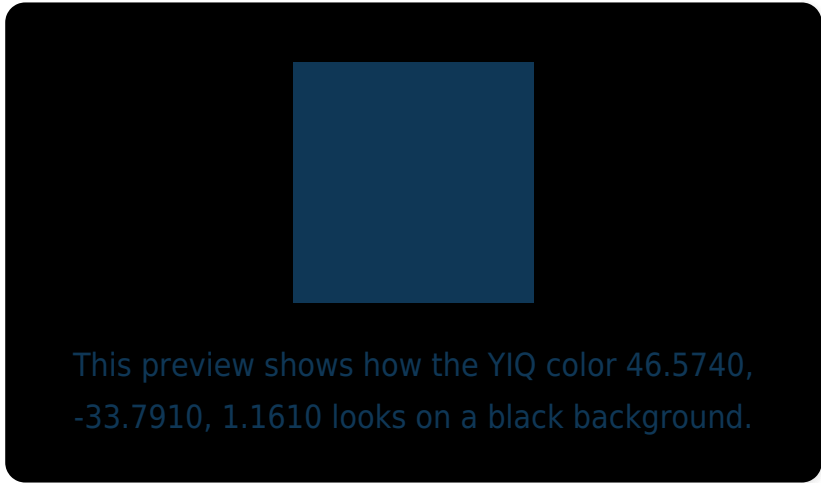
Any Text WCAG AA ✓ Pass

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

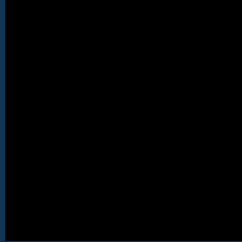
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 46.5740, -33.7910, 1.1610**

## **Background**



This preview shows how black text looks on a background with the YIQ color 46.5740, -33.7910, 1.1610.



This preview shows how white text looks on a background with the YIQ color 46.5740, -33.7910,



# 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

46.5740, -33.7910, 1.1610

### Protanopia

52.2450, -16.5070, 7.3090

### Deuteranopia

50.4830, -23.1090, 5.8110



## Tritanopia

41.8150, -36.4480, -11.2640

# Trichromacy



## Original Color

46.5740, -33.7910, 1.1610

## Protanomaly

50.2550, -22.4670, 5.1890

## Deuteranomaly

49.2760, -26.9600, 4.0160

## Tritanomaly

43.6350, -35.7610, -7.1930

# Monochromacy



## Original Color

46.5740, -33.7910, 1.1610

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

46.7690, -12.4710, 0.2410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 46.5740, -33.7910, 1.1610 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(15, 55, 86)` looks like.

```
.text, #text, p{  
    color:rgb(15, 55, 86)  
}
```

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(15, 55, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 55, 86) }
```

## Border

The CSS property to change the border of an element to YIQ 46.5740, -33.7910, 1.1610 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(15, 55, 86) }
```



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

```
.border{ border-color:rgb(15, 55, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 55, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 55, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 55, 86);  
box-shadow:4px 4px 4px 4px rgb(15, 55, 86)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 46.5740, -33.7910, 1.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 55, 86) }
```

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

```
.background{ background-color: rgb(15, 55,  
86) }
```

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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