

# Converting Colors

YIQ(76.1930, -37.0920, 0.4120)

Have a look what the booklet for  
YIQ(76.1930, -37.0920, 0.4120)  
contains.

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# Color

**YIQ(76.1930, -37.0920,  
0.4120)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	295676
RGB	41, 86, 118
RGB Percent	16%, 34%, 46%
CMY	0.8393, 0.6627, 0.5374
CMYK	0.65, 0.27, 0.00, 0.54
HSL	205°, 48%, 31%
HSV	205°, 65%, 46%
XYZ	7.5103, 8.4365, 18.3585
YIQ	76.1930, -37.0920, 0.4120

# Conversions

## Conversions Part 2

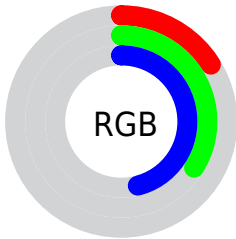
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 69, 118
Decimal	2709110
CIE <sub>Lab</sub>	34.88, -4.74, -22.77
CIE <sub>LCh</sub>	35, 23.260, 258.252
Yxy	8.4365, 0.2189, 0.2459
Android (android.graphics.Color)	4280899190 (0xFF295676)
YUV	76.1930, 20.6109, -30.8643
Hunter-Lab	29.0457, -4.6757, -17.1425




# Details

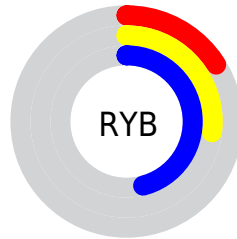
The YIQ color **76.1930, -37.0920, 0.4120** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **82.8070, 37.0920, -0.4120**, and the grayscale version is **76.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **127.3180, -35.9460, 1.6700**, and **31.9330, -33.4240, 0.0160** is the 20% darker color. If you saturate the color by 10%, you get **69.6700, -42.8690, 0.4830**, and if you desaturate by 10%, it is **82.7160, -31.3150, 0.3410**.

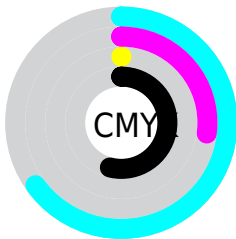
# Distribution







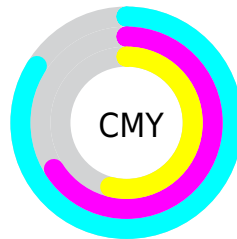
-  Red (16%)
-  Green (34%)
-  Blue (46%)






-  Red (16%)
-  Yellow (27%)
-  Blue (46%)



-  Cyan (65%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (54%)



-  Cyan (84%)
-  Magenta (66%)
-  Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.1930, -37.0920, 0.4120 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 76.1930, -37.0920, 0.4120 by changing the saturation by 10% instead.



■ 76.1930, -37.0920,  
0.4120

■ 76.1930, -37.0920,  
0.4120

■ 255.0000, -0.0000,  
-0.0000

■ 49.3770, -43.6020,  
-2.7540

■ 127.3180,  
-35.9460, 1.6700

■ 31.9330, -33.4240,  
0.0160

■ 153.8450,  
-35.9920, 2.5040

■ 17.6850, -20.8620,  
3.6340

■ 180.9590,  
-36.3130, 2.8150

■ 3.5510, -8.6210,  
7.5630

■ 208.9590,  
-36.3130, 2.8150

■ 0.0000, 0.0000,  
0.0000

■ 233.8810,  
-27.6460, -5.5820

■ 248.4220,

-13.1120, -4.6640

■ 76.1930, -37.0920,  
0.4120

■ 76.1930, -37.0920,  
0.4120

■ 69.6700, -42.8690,  
0.4830

■ 82.7160, -31.3150,  
0.3410

■ 63.1470, -48.6460,  
0.5540

■ 89.2390, -25.5380,  
0.2700

■ 56.9230, -53.8270,  
0.8370

■ 95.4630, -20.3570,  
-0.0130

■ 53.9550, -56.8530,  
0.6110

■ 101.9860,  
-14.5800, -0.0840

■ 107.9220, -8.5280,  
0.3680

■ 114.4450, -2.7510,  
0.2970

■ 120.9680, 3.0260,  
0.2260

■ 127.1920, 8.2070,  
-0.0570

■ 133.7150, 13.9840,  
-0.1280

# Harmonies

## Analogous

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



65.5550, -59.1430, -12.9590



76.1930, -37.0920, 0.4120



82.1250, -16.0490, 10.0230

# Triad

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



76.1930, -37.0920, 0.4120



83.2920, 28.8370, 11.5330



77.2790, -5.8200, -15.6760

# Complementary

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



76.1930, -37.0920, 0.4120



82.8070, 37.0920, -0.4120

# 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.



79.3690, 11.6020, -12.0300



76.1930, -37.0920, 0.4120



82.3210, 29.8930, 3.4050

# Square

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



76.1930, -37.0920, 0.4120



83.9630, 19.7580, 16.3820



80.9300, 23.3840, -5.2880



72.9160, -26.7270, -16.7350



# Rectangle

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



76.1930, -37.0920, 0.4120



83.8880, -2.0200, 14.5880



80.9300, 23.3840, -5.2880



78.2150, 0.2320, -15.2240

# Sweetspot

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



76.1930, -37.0920, 0.4120



136.1000, -14.9010, 0.2270



89.7330, -31.1260, -30.6300



66.6230, -9.1240, 0.1560



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



76.1930, -37.0920, 0.4120



88.0690, -57.1740, 0.9220



54.4740, -26.9170, 19.7630



55.4450, -2.7510, 0.2970



56.1720, -58.9620, 0.2860



114.2020, -120.4000, 1.3920



# Inverse Universe

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



69.1530, 31.4470, 30.3190



77.4470, 48.7750, 46.6870



104.5260, 26.9170, -19.7630



55.1360, 2.6130, 2.2050



44.6860, 49.6000, 48.2560



91.3940, 102.1340, 98.4060



# Previews

## White Background



This preview shows how the YIQ color 76.1930, -37.0920, 0.4120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

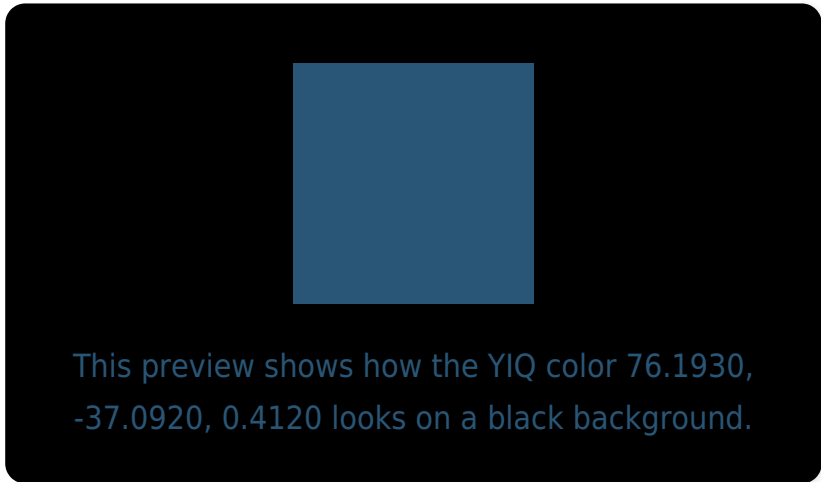
Any Text WCAG AA ✓ Pass

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

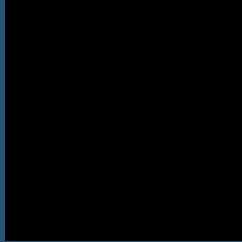
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 76.1930, -37.0920, 0.4120**

## **Background**



This preview shows how black text looks on a background with the YIQ color 76.1930, -37.0920, 0.4120.



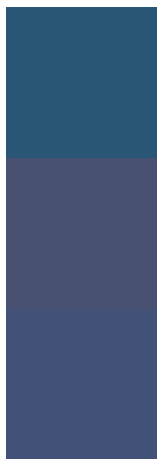
This preview shows how white text looks on a background with the YIQ color 76.1930, -37.0920,



# 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

76.1930, -37.0920, 0.4120

### Protanopia

82.0710, -15.9570, 8.3550

### Deuteranopia

80.8470, -21.1380, 8.6380



**Tritanopia**

72.5590, -38.6030, -10.7550

# Trichromacy



## Original Color

76.1930, -37.0920, 0.4120

## Protanomaly

80.0700, -23.3840, 5.2880

## Deuteranomaly

79.3300, -27.0520, 5.6840

## Tritanomaly

74.0800, -38.5120, -6.8960

# Monochromacy



## Original Color

76.1930, -37.0920, 0.4120

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.1710, -13.6630, -0.1830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.1930, -37.0920, 0.4120 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(41, 86, 118)` looks like.

```
.text, #text, p{  
    color:rgb(41, 86, 118)  
}
```

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(41, 86, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 86, 118) }
```

## Border

The CSS property to change the border of an element to YIQ 76.1930, -37.0920, 0.4120 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(41, 86, 118) }
```



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

```
.border{ border-color:rgb(41, 86, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 86, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 86, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 86, 118);  
box-shadow:4px 4px 4px 4px rgb(41, 86,  
118) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.1930, -37.0920, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 86, 118) }
```

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

```
.background{ background-color: rgb(41, 86,  
118) }
```

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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