

Converting Colors

YIQ(68.2180, -11.8770, 11.5070)

Have a look what the booklet for
YIQ(68.2180, -11.8770, 11.5070)
contains.

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Color

**YIQ(68.2180, -11.8770,
11.5070)**

Conversions

Conversions Part 1

Format	Color
Hex	404065
RGB	64, 64, 101
RGB Percent	25%, 25%, 40%
CMY	0.7490, 0.7490, 0.6040
CMYK	0.37, 0.37, 0.00, 0.60
HSL	240°, 22%, 32%
HSV	240°, 37%, 40%
XYZ	6.2962, 5.6962, 13.0746
YIQ	68.2180, -11.8770, 11.5070

Conversions

Conversions Part 2

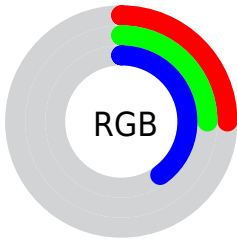
Format	Color
R_{YB}	64, 64, 101
Decimal	4210789
CIE Lab	28.63, 9.93, -21.72
CIE LCh	29, 23.879, 294.565
Yxy	5.6962, 0.2512, 0.2272
Android (android.graphics.Color)	4282400869 (0xFF404065)
YUV	68.2180, 16.1615, -3.6992
Hunter-Lab	23.8667, 5.3224, -15.7734

Details

The YIQ color **68.2180, -11.8770, 11.5070** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **96.7820, 11.8770, -11.5070**, and the grayscale version is **68.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **116.8590, -12.2440, 12.6520**, and **24.4520, -12.6560, 9.1040** is the 20% darker color. If you saturate the color by 10%, you get **59.3580, -15.0870, 14.6170**, and if you desaturate by 10%, it is **77.0780, -8.6670, 8.3970**.

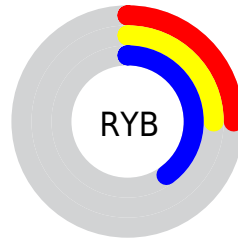
Distribution



Red (25%)

Green (25%)

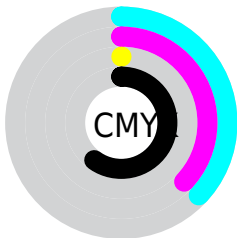
Blue (40%)



Red (25%)

Yellow (25%)

Blue (40%)

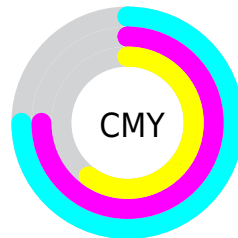


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (60%)



Cyan (75%)

Magenta (75%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.2180, -11.8770, 11.5070 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 68.2180, -11.8770, 11.5070 by changing the saturation by 10% instead.

■ 68.2180, -11.8770,
11.5070

■ 68.2180, -11.8770,
11.5070

■ 255.0000, -0.0000,
-0.0000

■ 45.6910, -11.8310,
10.6730

■ 116.8590,
-12.2440, 12.6520

■ 24.4520, -12.6560,
9.1040

■ 142.3860,
-12.2900, 13.4860

■ 3.7620, -10.5930,
10.2630

■ 168.9130,
-12.3360, 14.3200

■ 0.5700, -1.6050,
1.5550

■ 196.0270,
-12.6570, 14.6310

■ 0.0000, 0.0000,
0.0000

■ 223.1150,
-10.0890, 12.1430

■ 248.8090, -0.7800,

3.1240

■ 68.2180, -11.8770,
11.5070

■ 68.2180, -11.8770,
11.5070

■ 59.3580, -15.0870,
14.6170

■ 77.0780, -8.6670,
8.3970

■ 50.4980, -18.2970,
17.7270

■ 85.9380, -5.4570,
5.2870

■ 41.6380, -21.5070,
20.8370

■ 94.7980, -2.2470,
2.1770

■ 32.7780, -24.7170,
23.9470

■ 103.6580, 0.9630,
-0.9330

■ 23.9180, -27.9270,
27.0570

■ 112.5180, 4.1730,
-4.0430

■ 14.1720, -31.4580,
30.4780

■ 122.2640, 7.7040,
-7.4640

■ 11.5140, -32.4210,
31.4110

■ 131.1240, 10.9140,
-10.5740

■ 139.9840, 14.1240,
-13.6840

■ 148.8440, 17.3340,
-16.7940

Harmonies

Analogous

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



61.6170, -35.3500, 1.8820



68.2180, -11.8770, 11.5070



69.6180, 7.6080, 16.3120

Triad

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



68.2180, -11.8770, 11.5070



67.3700, 28.1970, 1.1010



54.7730, -36.6300, -18.9820

Complementary

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



68.2180, -11.8770, 11.5070



96.7820, 11.8770, -11.5070

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.



61.7130, -10.0380, -16.3260



68.2180, -11.8770, 11.5070



66.0930, 21.3670, -7.2810

Square

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



68.2180, -11.8770, 11.5070



68.2380, 28.9290, 9.8650



64.5750, 8.0260, -13.3020



54.5470, -47.4970, -14.7690

Rectangle

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



68.2180, -11.8770, 11.5070



69.5930, 17.9240, 16.5800



64.5750, 8.0260, -13.3020



57.6880, -26.0850, -17.3570

Sweetspot

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



68.2180, -11.8770, 11.5070



117.5960, -4.4940, 4.3540



89.9370, -22.0520, -7.8440



58.9120, -2.5680, 2.4880



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



68.2180, -11.8770, 11.5070



79.4980, -18.2970, 17.7270



73.6000, -1.1490, 15.3230



46.5700, -1.6050, 1.5550



13.1100, -36.9150, 35.7650



27.5880, -77.6820, 75.2620

Inverse Universe

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



79.2810, 10.1750, 19.3510



96.5410, 15.6750, 29.8110



91.1010, 0.5530, -15.5350



48.0650, 1.3750, 2.6150



47.4950, 31.6250, 60.1450



99.9460, 66.5500, 126.5660

Previews

White Background



This preview shows how the YIQ color 68.2180, -11.8770, 11.5070 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



This preview shows how the YIQ color 68.2180, -11.8770, 11.5070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

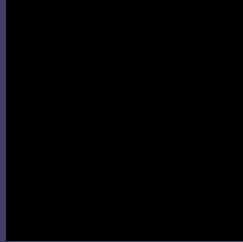
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.2180, -11.8770, 11.5070

Background



This preview shows how black text looks on a background with the YIQ color 68.2180, -11.8770, 11.5070.

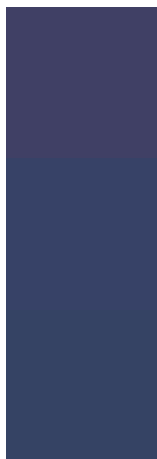


This preview shows how white text looks on a background with the YIQ color 68.2180, -11.8770,

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

68.2180, -11.8770, 11.5070

Protanopia

66.9290, -18.4330, 9.1750

Deuteranopia

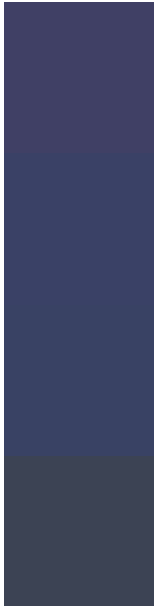
66.5760, -18.9370, 7.2950



Tritanopia

66.3950, -8.4820, -0.4660

Trichromacy



Original Color

68.2180, -11.8770, 11.5070

Protanomaly

67.1250, -16.0490, 10.0230

Deuteranomaly

67.1850, -16.2780, 8.6660

Tritanomaly

66.8450, -9.6290, 3.8030

Monochromacy



Original Color

68.2180, -11.8770, 11.5070

Achromatopsia

68.0000, -0.0000, 0.0000

Achromatomaly

68.4820, -4.1730, 4.0430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.2180, -11.8770, 11.5070 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(64, 64, 101)` looks like.

```
.text, #text, p{  
    color:rgb(64, 64, 101)  
}
```

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(64, 64, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 64, 101) }
```

Border

The CSS property to change the border of an element to YIQ 68.2180, -11.8770, 11.5070 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(64, 64, 101) }
```


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

```
.border{ border-color:rgb(64, 64, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 64, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 64, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 64, 101);  
box-shadow:4px 4px 4px 4px rgb(64, 64,  
101) }
```

Background

The CSS property to change the background color of an element to YIQ 68.2180, -11.8770, 11.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 64, 101) }
```

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

```
.background{ background-color: rgb(64, 64,  
101) }
```

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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