

Converting Colors

YIQ(71.8180, -49.6980,
-13.4260)

Have a look what the booklet for
YIQ(71.8180, -49.6980, -13.4260)
contains.

| | |
|--|----|
| YIQ(71.8180, -49.6980, -13.4260) | 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(71.8180, -49.6980,
-13.4260)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 105E68 |
| RGB | 16, 94, 104 |
| RGB Percent | 6%, 37%, 41% |
| CMY | 0.9374, 0.6312, 0.5924 |
| CMYK | 0.85, 0.10, 0.00, 0.59 |
| HSL | 187°, 73%, 24% |
| HSV | 187°, 85%, 41% |
| XYZ | 6.7146, 9.1194, 14.4891 |
| YIQ | 71.8180, -49.6980, -13.4260 |

Conversions

Conversions Part 2

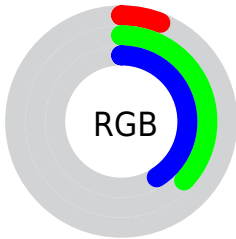
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 16, 57, 104 |
| Decimal | 1072744 |
| CIELab | 36.21, -18.36, -12.08 |
| CIELCh | 36, 21.982, 213.350 |
| Yxy | 9.1194, 0.2214, 0.3007 |
| Android (android.graphics.Color) | 4279262824 (0xFF105E68) |
| YUV | 71.8180, 15.8657, -48.9524 |
| Hunter-Lab | 30.1984, -13.1579, -7.3084 |

Details

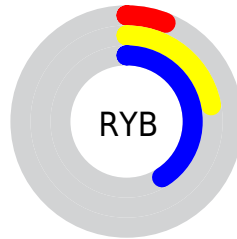
The YIQ color **71.8180, -49.6980, -13.4260** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **48.1820, 49.6980, 13.4260**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **126.1070, -43.1420, -11.0940**, and **34.6740, -31.4970, -7.3770** is the 20% darker color. If you saturate the color by 10%, you get **68.2410, -55.3830, -15.0230**, and if you desaturate by 10%, it is **75.3950, -44.0130, -11.8290**.

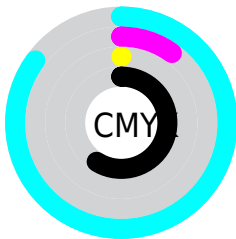
Distribution



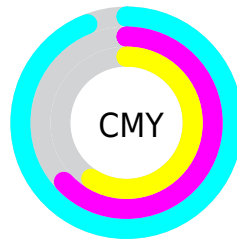
- Red (6%)
- Green (37%)
- Blue (41%)



- Red (6%)
- Yellow (22%)
- Blue (41%)



- Cyan (85%)
- Magenta (10%)
- Yellow (0%)
- Black (59%)



- Cyan (94%)
- Magenta (63%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.8180, -49.6980, -13.4260 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 71.8180, -49.6980, -13.4260 by changing the saturation by 10% instead.

71.8180, -49.6980,
-13.4260

71.8180, -49.6980,
-13.4260

255.0000, -0.0000,
-0.0000

50.2100, -44.9300,
-11.7300

126.1070,
-43.1420, -11.0940

34.6740, -31.4970,
-7.3770

152.5200,
-42.8670, -10.5710

20.4260, -18.9350,
-3.7590

180.1070,
-43.1420, -11.0940

2.0690, -4.4480,
3.5200

208.2210,
-43.4630, -10.7830

0.0000, 0.0000,
0.0000

234.9670,
-39.9320, -14.2040

243.3390,

-23.2440, -8.2680

■ 252.3090, -5.3640,
-1.9080

■ 71.8180, -49.6980,
-13.4260

■ 71.8180, -49.6980,
-13.4260

■ 68.2410, -55.3830,
-15.0230

■ 75.3950, -44.0130,
-11.8290

■ 65.8600, -58.6840,
-15.7720

■ 79.2710, -37.7320,
-10.0200

■ 83.4350, -32.3220,
-8.9460

■ 87.3110, -26.0410,
-7.1370

■ 90.8880, -20.3560,
-5.5400

■ 94.4650, -14.6710,
-3.9430

■ 98.3410, -8.3900,
-2.1340

■ 101.9180, -2.7050,
-0.5370

■ 106.3810, 3.3010,
0.7490

Harmonies

Analogous

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



75.2510, -34.9800, -15.8440



71.8180, -49.6980, -13.4260



76.8070, -41.9970, -4.3090

Triad

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



71.8180, -49.6980, -13.4260



87.5430, 12.1930, 15.8170



84.0000, 17.1950, -8.7650

Complementary

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



71.8180, -49.6980, -13.4260



48.1820, 49.6980, 13.4260

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.



85.4190, 26.5010, -1.2030



71.8180, -49.6980, -13.4260



87.4210, 24.1600, 13.6960

Square

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



71.8180, -49.6980, -13.4260



86.9800, -5.2750, 13.0050



86.0700, 29.3420, 7.8860



81.8240, 2.8910, -13.8530

Rectangle

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



71.8180, -49.6980, -13.4260



81.4820, -30.5360, 2.7440



86.0700, 29.3420, 7.8860



84.6200, 21.3210, -6.4470

Sweetspot

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



71.8180, -49.6980, -13.4260



122.4860, -19.1640, -5.1160



68.6820, -27.0890, -43.2250



61.5470, -11.9660, -3.4060



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



71.8180, -49.6980, -13.4260



85.8300, -76.3350, -20.7750



46.5770, -37.8730, 9.0630



48.9180, -2.7050, -0.5370



72.9840, -64.9650, -17.5810



153.7930, -136.8070, -37.1830

Inverse Universe

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



51.2040, 27.4100, 42.9140



54.0450, 41.9400, 65.9400



73.4230, 37.8730, -9.0630



47.9510, 1.6960, 2.3040



46.0130, 35.7980, 56.1020



96.8680, 75.2170, 118.1690

Previews

White Background



This preview shows how the YIQ color 71.8180, -49.6980, -13.4260 looks on a white background.

Color Contrast Check

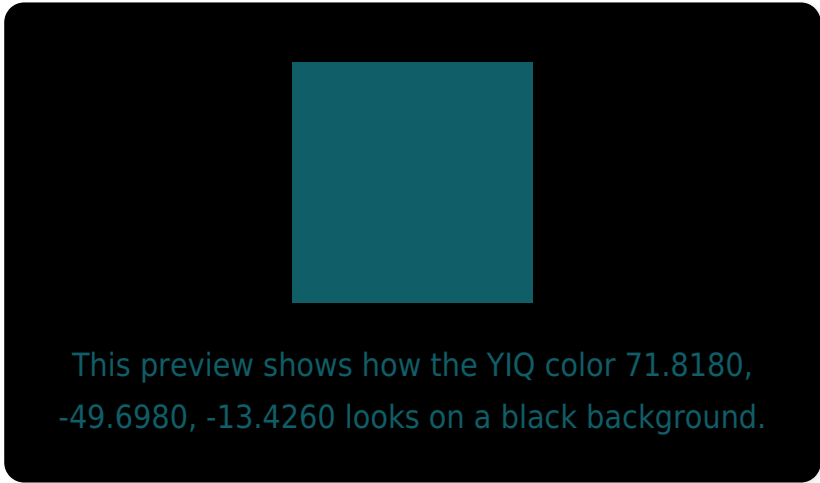
Large Text (above 18pt) WCAG AA ✓ Pass

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

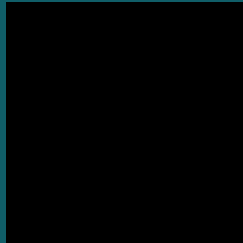
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 71.8180, -49.6980, -13.4260

Background



This preview shows how black text looks on a background with the YIQ color 71.8180, -49.6980, -13.4260.



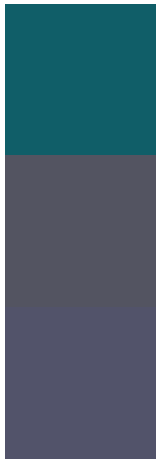
This preview shows how white text looks on a background with the YIQ color 71.8180, -49.6980,

-13.4260.

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

71.8180, -49.6980, -13.4260

Protanopia

85.1830, -4.7690, 3.8310

Deuteranopia

85.3230, -7.9790, 6.9410



Tritanopia

70.6930, -50.8440, -14.6840

Trichromacy



Original Color

71.8180, -49.6980, -13.4260

Protanomaly

80.6970, -21.1360, -2.4160

Deuteranomaly

80.3810, -23.0620, -0.5500

Tritanomaly

71.1060, -50.5690, -14.1610

Monochromacy



Original Color

71.8180, -49.6980, -13.4260

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

72.0840, -17.9720, -4.6920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.8180, -49.6980, -13.4260 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(16, 94, 104)` looks like.

```
.text, #text, p{  
    color:rgb(16, 94, 104)  
}
```

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(16, 94, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 94, 104) }
```

Border

The CSS property to change the border of an element to YIQ 71.8180, -49.6980, -13.4260 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(16, 94, 104) }
```


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

```
.border{ border-color:rgb(16, 94, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 94, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 94, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 94, 104);  
box-shadow:4px 4px 4px 4px rgb(16, 94,  
104) }
```

Background

The CSS property to change the background color of an element to YIQ 71.8180, -49.6980, -13.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 94, 104) }
```

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

```
.background{ background-color: rgb(16, 94,  
104) }
```

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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