

Converting Colors

YIQ(70.3770, -52.7700,
-12.8180)

Have a look what the booklet for
YIQ(70.3770, -52.7700, -12.8180)
contains.

YIQ(70.3770, -52.7700, -12.8180)	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(70.3770, -52.7700,
-12.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	0C5D6B
RGB	12, 93, 107
RGB Percent	5%, 36%, 42%
CMY	0.9531, 0.6352, 0.5806
CMYK	0.89, 0.13, 0.00, 0.58
HSL	189°, 80%, 23%
HSV	189°, 89%, 42%
XYZ	6.7192, 8.9729, 15.2722
YIQ	70.3770, -52.7700, -12.8180

Conversions

Conversions Part 2

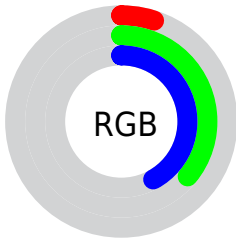
Format	Color
RYB	12, 56, 107
Decimal	810347
CIELab	35.93, -17.10, -14.38
CIELCh	36, 22.342, 220.052
Yxy	8.9729, 0.2170, 0.2898
Android (android.graphics.Color)	4279000427 (0xFF0C5D6B)
YUV	70.3770, 18.0551, -51.1966
Hunter-Lab	29.9547, -12.3812, -9.2603

Details

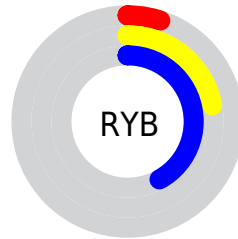
The YIQ color **70.3770, -52.7700, -12.8180** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **48.6230, 52.7700, 12.8180**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **125.2640, -45.0220, -10.0620**, and **34.4290, -32.1850, -5.9210** is the 20% darker color. If you saturate the color by 10%, you get **65.9140, -58.7760, -14.1040**, and if you desaturate by 10%, it is **74.8400, -46.7640, -11.5320**.

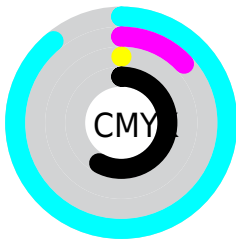
Distribution



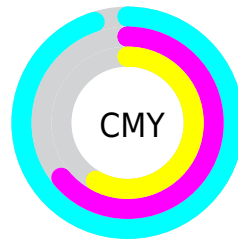
- Red (5%)
- Green (36%)
- Blue (42%)



- Red (5%)
- Yellow (22%)
- Blue (42%)



- Cyan (89%)
- Magenta (13%)
- Yellow (0%)
- Black (58%)



- Cyan (95%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.3770, -52.7700, -12.8180 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 70.3770, -52.7700, -12.8180 by changing the saturation by 10% instead.

70.3770, -52.7700,
-12.8180

70.3770, -52.7700,
-12.8180

255.0000, -0.0000,
-0.0000

49.9650, -45.6180,
-10.2740

125.2640,
-45.0220, -10.0620

34.4290, -32.1850,
-5.9210

151.9760,
-44.1510, -9.3270

20.1810, -19.6230,
-2.3030

179.0900,
-44.4720, -9.0160

2.5250, -5.7320,
4.7640

207.6770,
-44.7470, -9.5390

0.0000, 0.0000,
0.0000

234.0810,
-40.2530, -13.8930

243.3390,

-23.2440, -8.2680

252.0100, -5.9600,
-2.1200

70.3770, -52.7700,
-12.8180

70.3770, -52.7700,
-12.8180

65.9140, -58.7760,
-14.1040

74.8400, -46.7640,
-11.5320

65.6150, -59.3720,
-14.3160

78.4170, -41.0790,
-9.9350

82.8800, -35.0730,
-8.6490

86.7560, -28.7920,
-6.8400

90.9200, -23.3820,
-5.7660

■ 94.7960, -17.1010,
-3.9570

■ 99.2590, -11.0950,
-2.6710

■ 103.7220, -5.0890,
-1.3850

■ 107.2990, 0.5960,
0.2120

Harmonies

Analogous

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



72.6140, -40.4360, -16.0840



70.3770, -52.7700, -12.8180



77.6440, -39.9800, -2.3160

Triad

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



70.3770, -52.7700, -12.8180



86.8100, 15.8150, 16.2550



82.3910, 14.5360, -10.1360

Complementary

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



70.3770, -52.7700, -12.8180



48.6230, 52.7700, 12.8180

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.



84.1800, 25.6760, -2.7720



70.3770, -52.7700, -12.8180



86.2640, 26.0400, 12.6640

Square

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



70.3770, -52.7700, -12.8180



86.6600, -1.3780, 13.9660



85.4890, 29.4800, 5.3840



80.5570, -0.7310, -14.2910

Rectangle

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



70.3770, -52.7700, -12.8180



81.8030, -27.0060, 4.8500



85.4890, 29.4800, 5.3840



82.8970, 18.9830, -8.1290

Sweetspot

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



70.3770, -52.7700, -12.8180



125.7030, -21.2730, -5.4410



69.2470, -30.2980, -45.6420



62.6610, -12.2870, -3.0950



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



70.3770, -52.7700, -12.8180



86.4000, -77.9400, -19.2200



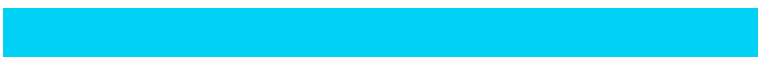
43.3750, -40.1200, 11.2400



51.6190, -3.3010, -0.7490



72.0380, -65.0570, -15.9130



150.6130, -136.1200, -33.1120

Inverse Universe

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



49.6390, 30.6190, 45.3310



55.5400, 44.9200, 67.0000



75.6250, 40.1200, -11.2400



50.3640, 1.9710, 2.8270



46.3830, 37.6320, 55.9040



97.0810, 78.9310, 116.9390

Previews

White Background



This preview shows how the YIQ color 70.3770, -52.7700, -12.8180 looks on a white background.

Color Contrast Check

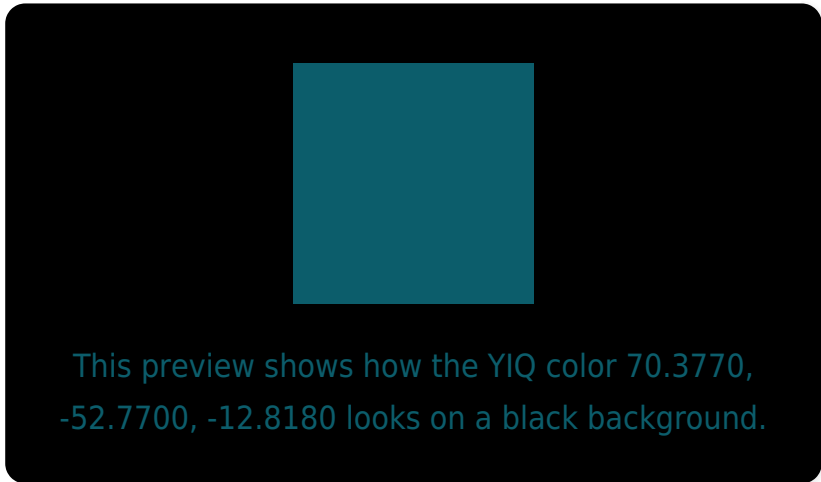
Large Text (above 18pt) WCAG AA ✓ Pass

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

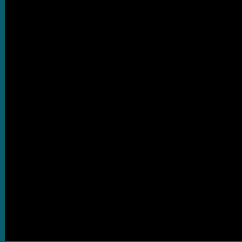
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

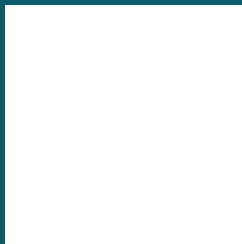
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 70.3770, -52.7700, -12.8180

Background



This preview shows how black text looks on a background with the YIQ color 70.3770, -52.7700, -12.8180.



This preview shows how white text looks on a background with the YIQ color 70.3770, -52.7700,

-12.8180.

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

70.3770, -52.7700, -12.8180

Protanopia

84.9270, -6.9240, 4.3400

Deuteranopia

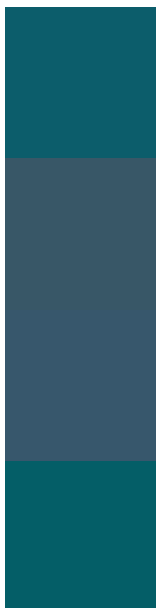
84.7680, -10.7300, 7.2380



Tritanopia

66.6920, -58.2710, -17.7510

Trichromacy



Original Color

70.3770, -52.7700, -12.8180

Protanomaly

79.5550, -23.6120, -1.5960

Deuteranomaly

79.8260, -25.8130, -0.2530

Tritanomaly

68.1160, -56.5290, -16.2810

Monochromacy



Original Color

70.3770, -52.7700, -12.8180

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.8990, -18.8890, -4.5930

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.3770, -52.7700, -12.8180 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(12, 93, 107)` looks like.

```
.text, #text, p{  
    color:rgb(12, 93, 107)  
}
```

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(12, 93, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 93, 107) }
```

Border

The CSS property to change the border of an element to YIQ 70.3770, -52.7700, -12.8180 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(12, 93, 107) }
```


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

```
.border{ border-color:rgb(12, 93, 107) }
```

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

Here you see how a box with a 4 pixel rgb(12, 93, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 93, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 93, 107);  
box-shadow:4px 4px 4px 4px rgb(12, 93,  
107) }
```

Background

The CSS property to change the background color of an element to YIQ 70.3770, -52.7700, -12.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 93, 107) }
```

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

```
.background{ background-color: rgb(12, 93,  
107) }
```

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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