

Converting Colors

YIQ(53.5700, -37.1360, -9.8080)

Have a look what the booklet for
YIQ(53.5700, -37.1360, -9.8080)
contains.

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Color

**YIQ(53.5700, -37.1360,
-9.8080)**

Conversions

Conversions Part 1

Format	Color
Hex	0C464E
RGB	12, 70, 78
RGB Percent	5%, 27%, 31%
CMY	0.9531, 0.7254, 0.6943
CMYK	0.85, 0.10, 0.00, 0.69
HSL	187°, 73%, 18%
HSV	187°, 85%, 31%
XYZ	3.7166, 5.0108, 7.9717
YIQ	53.5700, -37.1360, -9.8080

Conversions

Conversions Part 2

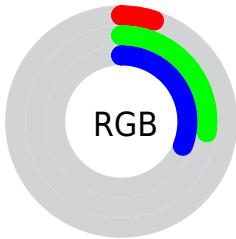
Format	Color
R_{YB}	12, 43, 78
Decimal	804430
CIE Lab	26.77, -14.62, -9.93
CIE LCh	27, 17.680, 214.187
Yxy	5.0108, 0.2226, 0.3001
Android (android.graphics.Color)	4278994510 (0xFF0C464E)
YUV	53.5700, 12.0440, -36.4569
Hunter-Lab	22.3848, -9.5368, -5.4450

Details

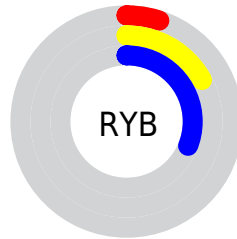
The YIQ color **53.5700, -37.1360, -9.8080** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **36.4300, 37.1360, 9.8080**, and the grayscale version is **53.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **104.6630, -32.9640, -8.3240**, and **19.7250, -18.3390, -3.5470** is the 20% darker color. If you saturate the color by 10%, you get **50.5910, -41.6290, -10.9810**, and if you desaturate by 10%, it is **56.5490, -32.6430, -8.6350**.

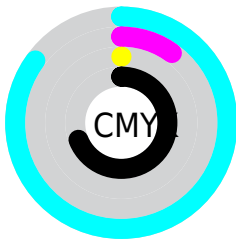
Distribution



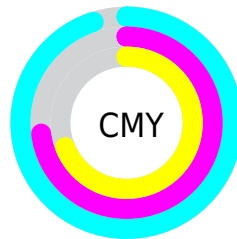
- Red (5%)
- Green (27%)
- Blue (31%)



- Red (5%)
- Yellow (17%)
- Blue (31%)



- Cyan (85%)
- Magenta (10%)
- Yellow (0%)
- Black (69%)



- Cyan (95%)
- Magenta (73%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 53.5700, -37.1360, -9.8080 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 53.5700, -37.1360, -9.8080 by changing the saturation by 10% instead.

■ 53.5700, -37.1360,
-9.8080

■ 53.5700, -37.1360,
-9.8080

■ 255.0000, -0.0000,
-0.0000

■ 33.8590, -30.5800,
-7.4760

■ 104.6630,
-32.9640, -8.3240

■ 19.7250, -18.3390,
-3.5470

■ 130.0760,
-32.6890, -7.8010

■ 1.2540, -3.5310,
3.4210

■ 156.7770,
-33.2850, -8.0130

■ 0.0000, 0.0000,
0.0000

■ 183.7770,
-33.2850, -8.0130

■ 211.4780,
-33.8810, -8.2250

■ 239.1530,

-31.5880, -11.2360

■ 247.8240,
-14.3040, -5.0880

■ 53.5700, -37.1360,
-9.8080

■ 53.5700, -37.1360,
-9.8080

■ 50.5910, -41.6290,
-10.9810

■ 56.5490, -32.6430,
-8.6350

■ 49.3950, -44.0130,
-11.8290

■ 59.5280, -28.1500,
-7.4620

■ 62.2080, -24.2530,
-6.5010

■ 65.1870, -19.7600,
-5.3280

■ 68.1660, -15.2670,
-4.1550

■ 71.1450, -10.7740,
-2.9820

■ 74.1240, -6.2810,
-1.8090

■ 76.8040, -2.3840,
-0.8480

■ 79.1960, 2.3840,
0.8480

Harmonies

Analogous

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



55.9640, -26.6820, -12.0420



53.5700, -37.1360, -9.8080



57.3090, -31.7270, -3.2070

Triad

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



53.5700, -37.1360, -9.8080



65.3530, 9.6720, 11.9440



62.0150, 12.8390, -6.9130

Complementary

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



53.5700, -37.1360, -9.8080



36.4300, 37.1360, 9.8080

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.



63.0100, 20.4030, -0.8210



53.5700, -37.1360, -9.8080



64.7900, 18.5670, 10.4310

Square

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



53.5700, -37.1360, -9.8080



64.4700, -3.8990, 10.0930



63.8950, 22.4650, 5.8650



60.7470, 1.7900, -10.4180

Rectangle

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



53.5700, -37.1360, -9.8080



60.3750, -22.9250, 2.4750



63.8950, 22.4650, 5.8650



62.9230, 16.0940, -5.3300

Sweetspot

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



53.5700, -37.1360, -9.8080



92.7640, -14.0750, -3.7310



51.6540, -20.7180, -32.0300



45.3410, -8.3900, -2.1340



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



53.5700, -37.1360, -9.8080



64.4580, -57.4920, -15.3480



34.1990, -28.0610, 7.4510



36.8040, -2.3840, -0.8480



144.7940, -129.3800, -34.1160

Inverse Universe

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



38.3460, 20.7180, 32.0300



40.7580, 31.9020, 49.6140



55.8010, 28.0610, -7.4510



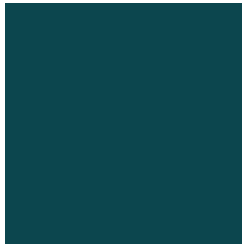
35.6520, 1.1000, 2.0920



91.7980, 72.2380, 111.5820

Previews

White Background



This preview shows how the YIQ color 53.5700, -37.1360, -9.8080 looks on a white background.

Color Contrast Check

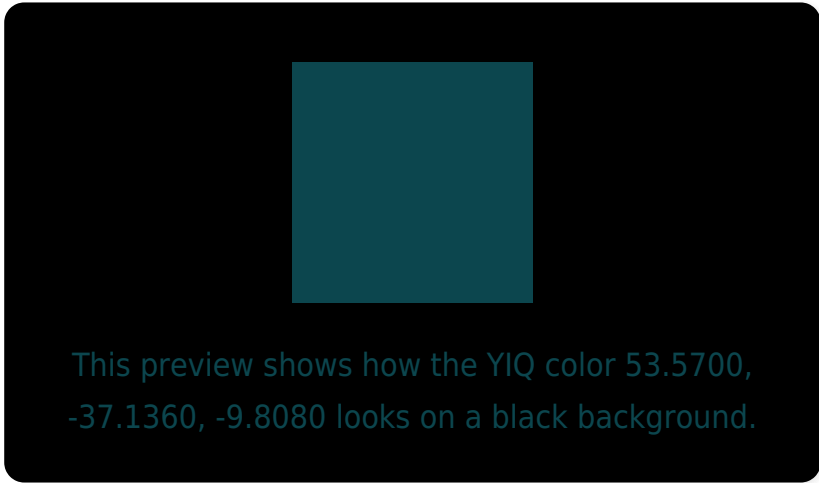
Large Text (above 18pt) WCAG AA ✓ Pass

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

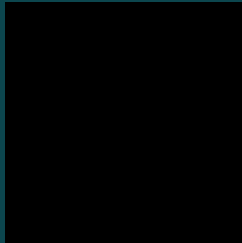
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 53.5700, -37.1360, -9.8080

Background



This preview shows how black text looks on a background with the YIQ color 53.5700, -37.1360, -9.8080.



This preview shows how white text looks on a background with the YIQ color 53.5700, -37.1360,

-9.8080.

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

53.5700, -37.1360, -9.8080

Protanopia

63.5420, -4.4020, 2.6860

Deuteranopia

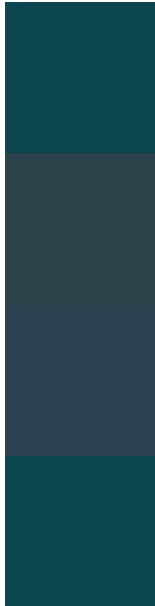
63.7530, -6.3740, 5.3860



Tritanopia

52.4450, -38.2820, -11.0660

Trichromacy



Original Color

53.5700, -37.1360, -9.8080

Protanomaly

60.1490, -16.5970, -2.0770

Deuteranomaly

60.0180, -17.6060, -0.3100

Tritanomaly

52.8580, -38.0070, -10.5430

Monochromacy



Original Color

53.5700, -37.1360, -9.8080

Achromatopsia

54.0000, -0.0000, 0.0000

Achromatomaly

54.0630, -13.4790, -3.5190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 53.5700, -37.1360, -9.8080 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, 70, 78)` looks like.

```
.text, #text, p{  
    color:rgb(12, 70, 78)  
}
```

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, 70, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 70, 78) }
```

Border

The CSS property to change the border of an element to YIQ 53.5700, -37.1360, -9.8080 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, 70, 78) }
```

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

```
.border{ border-color:rgb(12, 70, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 70, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 70, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 70, 78);  
box-shadow:4px 4px 4px 4px rgb(12, 70, 78)  
}
```

Background

The CSS property to change the background color of an element to YIQ 53.5700, -37.1360, -9.8080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 70, 78) }
```

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

```
.background{ background-color: rgb(12, 70,  
78) }
```

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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