

Converting Colors

YIQ(51.4890, -32.4140, -7.2780)

Have a look what the booklet for
YIQ(51.4890, -32.4140, -7.2780)
contains.

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Color

**YIQ(51.4890, -32.4140,
-7.2780)**

Conversions

Conversions Part 1

Format	Color
Hex	10414B
RGB	16, 65, 75
RGB Percent	6%, 25%, 29%
CMY	0.9374, 0.7450, 0.7060
CMYK	0.79, 0.13, 0.00, 0.71
HSL	190°, 65%, 18%
HSV	190°, 79%, 29%
XYZ	3.3735, 4.4004, 7.3219
YIQ	51.4890, -32.4140, -7.2780

Conversions

Conversions Part 2

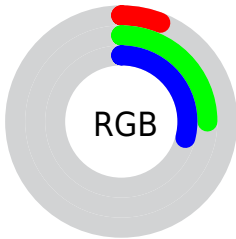
Format	Color
R_{YB}	16, 43, 75
Decimal	1065291
CIE _{Lab}	24.95, -12.21, -10.72
CIE _{LCh}	25, 16.245, 221.296
Yxy	4.4004, 0.2235, 0.2915
Android (android.graphics.Color)	4279255371 (0xFF10414B)
YUV	51.4890, 11.5909, -31.1239
Hunter-Lab	20.9771, -8.0040, -6.0108

Details

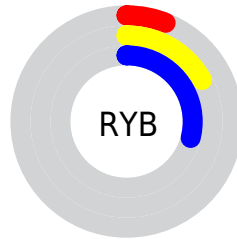
The YIQ color **51.4890, -32.4140, -7.2780** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **39.5110, 32.4140, 7.2780**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.0980, -29.7550, -5.9070**, and **17.0350, -16.2760, -2.3880** is the 20% darker color. If you saturate the color by 10%, you get **48.5100, -36.9070, -8.4510**, and if you desaturate by 10%, it is **54.1690, -28.5170, -6.3170**.

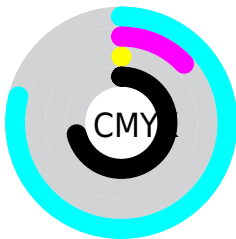
Distribution



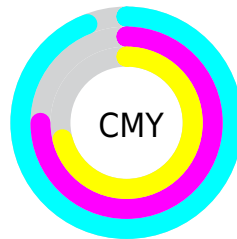
- Red (6%)
- Green (25%)
- Blue (29%)



- Red (6%)
- Yellow (17%)
- Blue (29%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (71%)



- Cyan (94%)
- Magenta (75%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.4890, -32.4140, -7.2780 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 51.4890, -32.4140, -7.2780 by changing the saturation by 10% instead.

■ 51.4890, -32.4140,
-7.2780

■ 51.4890, -32.4140,
-7.2780

■ 255.0000, -0.0000,
-0.0000

■ 31.1690, -28.5170,
-6.3170

■ 101.0980,
-29.7550, -5.9070

■ 17.0350, -16.2760,
-2.3880

■ 126.2120,
-30.0760, -5.5960

■ 0.5700, -1.6050,
1.5550

■ 152.7990,
-30.3510, -6.1190

■ 0.0000, 0.0000,
0.0000

■ 179.9130,
-30.6720, -5.8080

■ 207.6140,
-31.2680, -6.0200

■ 235.0440,

-29.6630, -7.5750

■ 247.5250,
-14.9000, -5.3000

■ 51.4890, -32.4140,
-7.2780

■ 51.4890, -32.4140,
-7.2780

■ 48.5100, -36.9070,
-8.4510

■ 54.1690, -28.5170,
-6.3170

■ 45.2430, -40.5290,
-8.8890

■ 57.7350, -24.2990,
-5.6670

■ 44.9440, -41.1250,
-9.1010

■ 60.4150, -20.4020,
-4.7060

■ 63.3940, -15.9090,
-3.5330

■ 66.0740, -12.0120,
-2.5720

■ 69.6400, -7.7940,
-1.9220

■ 72.3200, -3.8970,
-0.9610

■ 75.2990, 0.5960,
0.2120

■ 77.9790, 4.4930,
1.1730

Harmonies

Analogous

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



52.0180, -26.7740, -10.3740



51.4890, -32.4140, -7.2780



55.2990, -25.7670, -1.0870

Triad

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



51.4890, -32.4140, -7.2780



60.8970, 10.9560, 10.7000



58.0470, 9.8130, -7.1390

Complementary

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



51.4890, -32.4140, -7.2780



39.5110, 32.4140, 7.2780

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.



59.1020, 17.1480, -2.4040



51.4890, -32.4140, -7.2780



60.4370, 18.0630, 8.5510

Square

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



51.4890, -32.4140, -7.2780



60.6230, 0.0440, 10.2200



60.0580, 20.4480, 3.8720



56.1920, -0.9610, -10.1210

Rectangle

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



51.4890, -32.4140, -7.2780



57.6530, -17.8360, 3.8600



60.0580, 20.4480, 3.8720



58.6560, 12.4720, -5.7680

Sweetspot

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



51.4890, -32.4140, -7.2780



87.7750, -12.6080, -2.7840



51.7730, -19.4350, -27.7470



42.6400, -7.7940, -1.9220



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



51.4890, -32.4140, -7.2780



60.9860, -50.1110, -11.4470



34.4660, -24.4390, 7.8890



36.8040, -2.3840, -0.8480



61.5230, -56.1170, -12.7330



138.3370, -126.3550, -28.3630

Inverse Universe

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



39.2270, 19.4350, 27.7470



41.8730, 29.8400, 42.9280



56.5340, 24.4390, -7.8890



35.6520, 1.1000, 2.0920



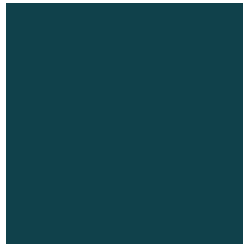
40.1880, 33.5070, 48.0590



90.5440, 75.7690, 108.1610

Previews

White Background



This preview shows how the YIQ color 51.4890, -32.4140, -7.2780 looks on a white background.

Color Contrast Check

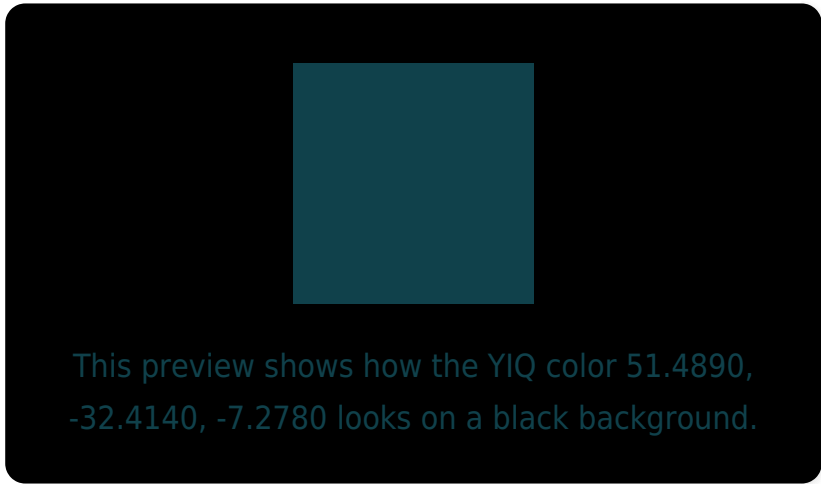
Large Text (above 18pt) WCAG AA ✓ Pass

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

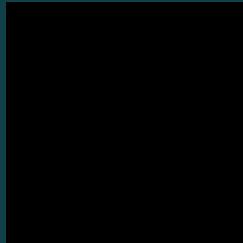
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

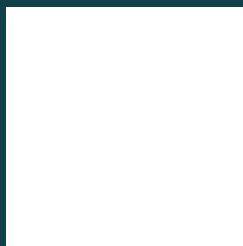
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 51.4890, -32.4140, -7.2780

Background



This preview shows how black text looks on a background with the YIQ color 51.4890, -32.4140, -7.2780.



This preview shows how white text looks on a background with the YIQ color 51.4890, -32.4140,

-7.2780.

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

51.4890, -32.4140, -7.2780

Protanopia

59.7700, -5.0440, 3.3080

Deuteranopia

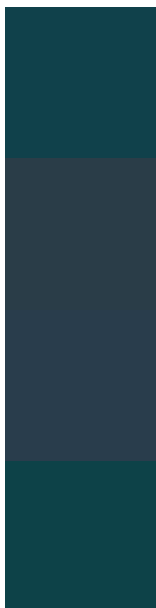
59.4540, -6.9700, 5.1740



Tritanopia

50.4240, -33.7890, -9.8930

Trichromacy



Original Color

51.4890, -32.4140, -7.2780

Protanomaly

56.5730, -14.8550, -0.6070

Deuteranomaly

56.7300, -16.7350, 0.4250

Tritanomaly

50.8370, -33.5140, -9.3700

Monochromacy



Original Color

51.4890, -32.4140, -7.2780

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.0740, -12.0120, -2.5720

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.4890, -32.4140, -7.2780 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, 65, 75)` looks like.

```
.text, #text, p{  
    color:rgb(16, 65, 75)  
}
```

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, 65, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 65, 75) }
```

Border

The CSS property to change the border of an element to YIQ 51.4890, -32.4140, -7.2780 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, 65, 75) }
```


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

```
.border{ border-color:rgb(16, 65, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 65, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 65, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 65, 75);  
box-shadow:4px 4px 4px 4px rgb(16, 65, 75)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.4890, -32.4140, -7.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 65, 75) }
```

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

```
.background{ background-color: rgb(16, 65,  
75) }
```

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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