

Converting Colors

YIQ(49.6440, -38.8390, 26.5770)

Have a look what the booklet for
YIQ(49.6440, -38.8390, 26.5770)
contains.

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Color

**YIQ(49.6440, -38.8390,
26.5770)**

Conversions

Conversions Part 1

Format	Color
Hex	1D2B8A
RGB	29, 43, 138
RGB Percent	11%, 17%, 54%
CMY	0.8862, 0.8314, 0.4591
CMYK	0.79, 0.69, 0.00, 0.46
HSL	232°, 65%, 33%
HSV	232°, 79%, 54%
XYZ	5.9542, 3.8228, 24.4468
YIQ	49.6440, -38.8390, 26.5770

Conversions

Conversions Part 2

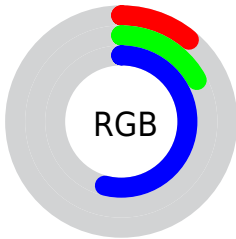
Format	Color
R_{YB}	29, 41, 138
Decimal	1911690
CIE _{Lab}	23.08, 30.14, -54.18
CIE _{LCh}	23, 62.005, 299.088
Yxy	3.8228, 0.1740, 0.1117
Android (android.graphics.Color)	4280101770 (0xFF1D2B8A)
YUV	49.6440, 43.5595, -18.1048
Hunter-Lab	19.5520, 20.1431, -60.4467

Details

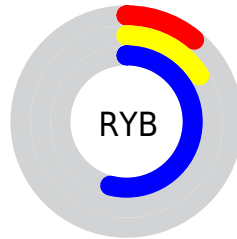
The YIQ color **49.6440, -38.8390, 26.5770** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **117.3560, 38.8390, -26.5770**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.9380, -30.6790, 32.8810**, and **9.9180, -27.9270, 27.0570** is the 20% darker color. If you saturate the color by 10%, you get **38.4140, -43.8830, 29.8850**, and if you desaturate by 10%, it is **60.8740, -33.7950, 23.2690**.

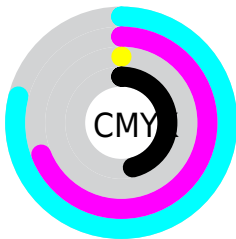
Distribution



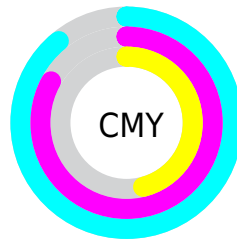
- Red (11%)
- Green (17%)
- Blue (54%)



- Red (11%)
- Yellow (16%)
- Blue (54%)



- Cyan (79%)
- Magenta (69%)
- Yellow (0%)
- Black (46%)



- Cyan (89%)
- Magenta (83%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.6440, -38.8390, 26.5770 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 49.6440, -38.8390, 26.5770 by changing the saturation by 10% instead.

■ 49.6440, -38.8390,
26.5770

■ 49.6440, -38.8390,
26.5770

■ 255.0000, -0.0000,
-0.0000

■ 25.6820, -42.0020,
23.3260

■ 101.9380,
-30.6790, 32.8810

■ 9.9180, -27.9270,
27.0570

■ 127.7040,
-29.9000, 35.2840

■ 10.7040, -21.8730,
16.4550

■ 154.6440,
-29.6710, 36.6410

■ 6.3210, -13.6650,
10.8710

■ 179.1470,
-21.1420, 30.7460

■ 2.5250, -5.7320,
4.7640

■ 203.6670,
-11.2830, 22.7730

■ 0.0000, 0.0000,
0.0000

■ 229.0730, -1.1030,

14.4890

251.4780, 1.6500,
3.1380

49.6440, -38.8390,
26.5770

49.6440, -38.8390,
26.5770

38.4140, -43.8830,
29.8850

60.8740, -33.7950,
23.2690

27.1840, -48.9270,
33.1930

72.1040, -28.7510,
19.9610

26.2980, -49.2480,
33.5040

83.0350, -24.3030,
16.4410

94.2650, -19.2590,
13.1330

105.4950,
-14.2150, 9.8250

■ 116.7250, -9.1710,
6.5170

■ 127.9550, -4.1270,
3.2090

■ 138.8860, 0.3210,
-0.3110

■ 150.1160, 5.3650,
-3.6190

Harmonies

Analogous

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



54.0810, -65.4750, 13.7010



49.6440, -38.8390, 26.5770



43.5500, 29.7920, 54.8160

Triad

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



49.6440, -38.8390, 26.5770



48.1190, 54.0090, 6.8810



48.1920, -36.4920, -21.4840

Complementary

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



49.6440, -38.8390, 26.5770



117.3560, 38.8390, -26.5770

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.



41.0900, -19.2500, -36.6100



49.6440, -38.8390, 26.5770



52.0410, 27.1450, -12.8790

Square

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



49.6440, -38.8390, 26.5770



39.1560, 70.9230, 30.7550



43.8360, -6.5510, -29.9670



54.2510, -52.1750, -7.0790

Rectangle

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



49.6440, -38.8390, 26.5770



45.8110, 50.7460, 49.5140



43.8360, -6.5510, -29.9670



45.7810, -31.0810, -25.9370

Sweetspot

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



49.6440, -38.8390, 26.5770



143.8370, -15.1780, 10.7580



103.6990, -60.1490, -27.7730



68.3120, -9.4460, 5.9940



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000

Same Dimension

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



49.6440, -38.8390, 26.5770



41.2940, -60.6200, 41.3640



53.3860, -11.1490, 42.3790



63.3850, -2.5220, 1.6540



25.1410, -47.3680, 32.4720



1.1570, -1.8800, 1.0320

Inverse Universe

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



63.1870, 60.4700, 27.4620



62.3380, 94.2580, 42.8820



113.6140, 11.1490, -42.3790



64.2070, 3.8510, 1.7950



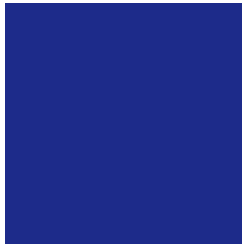
41.7050, 73.8110, 33.4830



1.6090, 2.6590, 1.3710

Previews

White Background



This preview shows how the YIQ color 49.6440, -38.8390, 26.5770 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 49.6440, -38.8390, 26.5770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

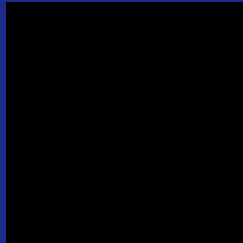
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.6440, -38.8390, 26.5770

Background



This preview shows how black text looks on a background with the YIQ color 49.6440, -38.8390, 26.5770.



This preview shows how white text looks on a background with the YIQ color 49.6440, -38.8390,

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

49.6440, -38.8390, 26.5770

Protanopia

43.8790, -50.5270, 7.1130

Deuteranopia

44.4030, -46.4910, 0.0450



Tritanopia

43.2170, -37.6400, -11.6880

Trichromacy



Original Color

49.6440, -38.8390, 26.5770

Protanomaly

45.8460, -45.7600, 14.3360

Deuteranomaly

46.4670, -43.3750, 9.6570

Tritanomaly

45.4750, -37.8260, 2.7020

Monochromacy



Original Color

49.6440, -38.8390, 26.5770

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.4950, -14.2150, 9.8250

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.6440, -38.8390, 26.5770 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(29, 43, 138)` looks like.

```
.text, #text, p{  
    color:rgb(29, 43, 138)  
}
```

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(29, 43, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 43, 138) }
```

Border

The CSS property to change the border of an element to YIQ 49.6440, -38.8390, 26.5770 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(29, 43, 138) }
```


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

```
.border{ border-color:rgb(29, 43, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 43, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 43, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 43, 138);  
box-shadow:4px 4px 4px 4px rgb(29, 43,  
138) }
```

Background

The CSS property to change the background color of an element to YIQ 49.6440, -38.8390, 26.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 43, 138) }
```

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

```
.background{ background-color: rgb(29, 43,  
138) }
```

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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