

Converting Colors

YIQ(49.2640, -69.1030, 46.4250)

Have a look what the booklet for
YIQ(49.2640, -69.1030, 46.4250)
contains.

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Color

**YIQ(49.2640, -69.1030,
46.4250)**

Conversions

Conversions Part 1

Format	Color
Hex	0C26CD
RGB	12, 38, 205
RGB Percent	5%, 15%, 80%
CMY	0.9527, 0.8510, 0.1965
CMYK	0.94, 0.81, 0.00, 0.20
HSL	232°, 89%, 43%
HSV	232°, 94%, 80%
XYZ	11.8523, 5.8680, 58.2004
YIQ	49.2640, -69.1030, 46.4250

Conversions

Conversions Part 2

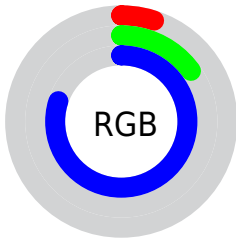
Format	Color
R _{YB}	12, 35, 205
Decimal	796365
CIE _{Lab}	29.08, 55.50, -84.59
CIE _{LCh}	29, 101.176, 303.269
Y _{xy}	5.8680, 0.1561, 0.0773
Android (android.graphics.Color)	4278986445 (0xFF0C26CD)
YUV	49.2640, 76.7778, -32.6805
Hunter-Lab	24.2240, 44.9443, -125.4933




Details

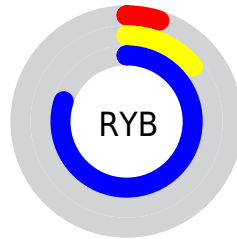
The YIQ color **49.2640, -69.1030, 46.4250** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **167.7360, 69.1030, -46.4250**, and the grayscale version is **49.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **112.1320, -42.0080, 56.4880**, and **16.9860, -47.8290, 46.3390** is the 20% darker color. If you saturate the color by 10%, you get **39.8060, -73.5050, 49.1110**, and if you desaturate by 10%, it is **66.1090, -61.5370, 41.4630**.

Distribution







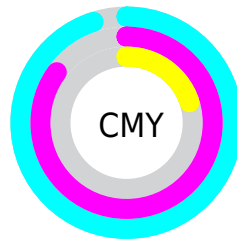
-  Red (5%)
-  Green (15%)
-  Blue (80%)






-  Red (5%)
-  Yellow (14%)
-  Blue (80%)



-  Cyan (94%)
-  Magenta (81%)
-  Yellow (0%)
-  Black (20%)



-  Cyan (95%)
-  Magenta (85%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.2640, -69.1030, 46.4250 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 49.2640, -69.1030, 46.4250 by changing the saturation by 10% instead.

■ 49.2640, -69.1030,
46.4250

■ 49.2640, -69.1030,
46.4250

■ 255.0000, -0.0000,
-0.0000

■ 27.8090, -60.3920,
48.2480

■ 112.1320,
-42.0080, 56.4880

■ 16.9860, -47.8290,
46.3390

■ 136.6740,
-29.2150, 50.4090

■ 13.9080, -39.1620,
37.9420

■ 161.2050,
-17.8890, 43.3830

■ 16.2270, -33.2910,
25.1490

■ 186.6220, -6.2420,
36.0460

■ 12.7900, -24.9910,
17.8970

■ 212.3270, 4.5340,
27.9740

■ 7.8200, -16.5080,
12.8360


■ 235.0420, 9.3500,


■ 3.5510, -8.6210,


17.7820


7.5630


 252.0650, 1.3750,
2.6150


 0.0000, 0.0000,
0.0000


 49.2640, -69.1030,
46.4250


 49.2640, -69.1030,
46.4250


 39.8060, -73.5050,
49.1110

 66.1090, -61.5370,
41.4630

 82.0680, -54.2920,
36.8120

 98.9130, -46.7260,
31.8500

 115.4590,
-39.7560, 26.6760

 132.3040,
-32.1900, 21.7140

■ 148.2630,
-24.9450, 17.0630

■ 164.8090,
-17.9750, 11.8890

■ 181.6540,
-10.4090, 6.9270

■ 198.2000, -3.4390,
1.7530

Harmonies

Analogous

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



74.1090, -97.0680, 30.1000



49.2640, -69.1030, 46.4250



63.9140, 50.0990, 77.7710

Triad

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



49.2640, -69.1030, 46.4250



54.4640, 75.3270, 17.0150



62.6680, -49.6960, -24.4800

Complementary

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



49.2640, -69.1030, 46.4250



167.7360, 69.1030, -46.4250

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.



52.8300, -24.7500, -47.0700



49.2640, -69.1030, 46.4250



64.1130, 26.6420, -20.2860

Square

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



49.2640, -69.1030, 46.4250



53.2220, 106.0880, 37.7360



49.8950, -23.3750, -44.4550



73.4350, -75.8800, -1.4800

Rectangle

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



49.2640, -69.1030, 46.4250



65.8740, 81.9660, 67.4220



49.8950, -23.3750, -44.4550



58.8890, -40.4330, -32.6650

Sweetspot

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



49.2640, -69.1030, 46.4250



197.3770, -25.2660, 17.3740



143.9870, -105.7190, -49.9350



92.5380, -15.7740, 10.5460



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



49.2640, -69.1030, 46.4250



49.0280, -91.2050, 61.5230



54.3340, -21.4250, 74.4390



93.7270, -3.4850, 2.5870



31.8380, -59.3360, 40.1200



7.2670, -13.5730, 9.2030

Inverse Universe

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



72.6710, 106.6820, 49.0020



80.1210, 141.0660, 64.6340



162.6660, 21.4250, -74.4390



95.1040, 5.6390, 2.4310



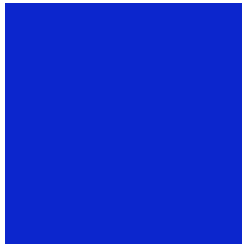
52.1420, 91.8740, 42.0340



11.9320, 21.0430, 9.6110

Previews

White Background



This preview shows how the YIQ color 49.2640, -69.1030, 46.4250 looks on a white background.

Color Contrast Check

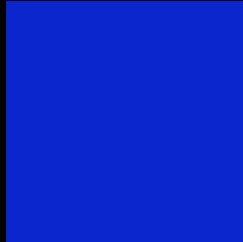
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2640, -69.1030, 46.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

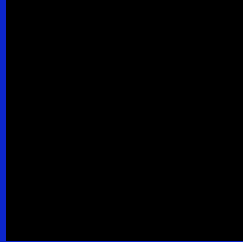
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.2640, -69.1030, 46.4250

Background



This preview shows how black text looks on a background with the YIQ color 49.2640, -69.1030, 46.4250.



This preview shows how white text looks on a background with the YIQ color 49.2640, -69.1030,

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

49.2640, -69.1030, 46.4250

Protanopia

54.5880, -62.7690, 8.7110

Deuteranopia

55.1290, -57.4030, -0.4350



Tritanopia

53.7320, -46.5800, -14.8680

Trichromacy



Original Color

49.2640, -69.1030, 46.4250

Protanomaly

52.6500, -65.3390, 22.2530

Deuteranomaly

52.9290, -61.9910, 16.6410

Tritanomaly

51.8400, -54.7910, 7.2970

Monochromacy



Original Color

49.2640, -69.1030, 46.4250

Achromatopsia

49.0000, -0.0000, -0.0000

Achromatomaly

49.2630, -24.9450, 17.0630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.2640, -69.1030, 46.4250 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, 38, 205)` looks like.

```
.text, #text, p{  
    color:rgb(12, 38, 205)  
}
```

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, 38, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 38, 205) }
```

Border

The CSS property to change the border of an element to YIQ 49.2640, -69.1030, 46.4250 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, 38, 205) }
```


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

```
.border{ border-color:rgb(12, 38, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 38, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 38, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 38, 205);  
box-shadow:4px 4px 4px 4px rgb(12, 38,  
205) }
```

Background

The CSS property to change the background color of an element to YIQ 49.2640, -69.1030, 46.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 38, 205) }
```

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

```
.background{ background-color: rgb(12, 38,  
205) }
```

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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