

Converting Colors

YIQ(37.9650, -69.6990, 46.2130)

Have a look what the booklet for
YIQ(37.9650, -69.6990, 46.2130)
contains.

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Color

**YIQ(37.9650, -69.6990,
46.2130)**

Conversions

Conversions Part 1

Format	Color
Hex	001BC2
RGB	0, 27, 194
RGB Percent	0%, 11%, 76%
CMY	0.9998, 0.8941, 0.2396
CMYK	1.00, 0.86, 0.00, 0.24
HSL	232°, 100%, 38%
HSV	232°, 100%, 76%
XYZ	10.1183, 4.6749, 51.3470
YIQ	37.9650, -69.6990, 46.2130

Conversions

Conversions Part 2

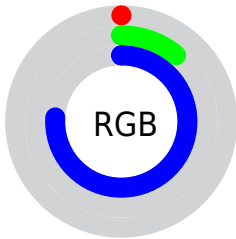
Format	Color
RYB	0, 24, 194
Decimal	7106
CIELab	25.79, 56.85, -83.63
CIELCh	26, 101.120, 304.209
Yxy	4.6749, 0.1530, 0.0707
Android (android.graphics.Color)	4278197186 (0xFF001BC2)
YUV	37.9650, 76.9253, -33.2953
Hunter-Lab	21.6214, 45.6962, -125.6682

Details

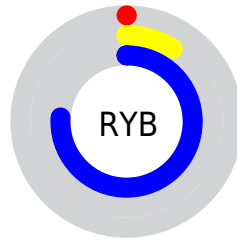
The YIQ color **37.9650, -69.6990, 46.2130** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **156.0350, 69.6990, -46.2130**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **104.4250, -41.2750, 59.7250**, and **15.8460, -44.6190, 43.2290** is the 20% darker color. If you saturate the color by 10%, you get **37.9650, -69.6990, 46.2130**, and if you desaturate by 10%, it is **53.6250, -63.0500, 41.3500**.

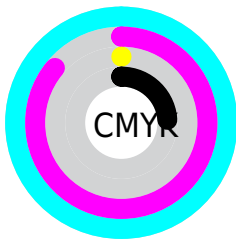
Distribution



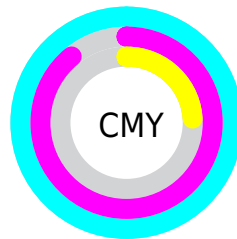
- Red (0%)
- Green (11%)
- Blue (76%)



- Red (0%)
- Yellow (9%)
- Blue (76%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (89%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.9650, -69.6990, 46.2130 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 37.9650, -69.6990, 46.2130 by changing the saturation by 10% instead.

■ 37.9650, -69.6990,
46.2130

■ 37.9650, -69.6990,
46.2130

■ 255.0000, -0.0000,
-0.0000

■ 18.9240, -53.2860,
51.6260

■ 104.4250,
-41.2750, 59.7250

■ 15.8460, -44.6190,
43.2290

■ 129.3090,
-29.4450, 54.5790

■ 12.7680, -35.9520,
34.8320

■ 153.8400,
-18.1190, 47.5530

■ 16.8480, -30.9060,
20.4700

■ 178.9580, -7.0680,
40.0040

■ 10.5900, -21.5520,
16.1440

■ 204.3750, 4.5790,
32.6670

■ 6.2070, -13.3440,
10.5600

■ 228.5850, 12.3750,


■ 2.5250, -5.7320,


23.5350


4.7640


 245.6080, 4.4000,
8.3680


 0.0000, 0.0000,
0.0000


 37.9650, -69.6990,
46.2130

 53.6250, -63.0500,
41.3500

 68.9970, -55.5300,
37.2220

 84.6570, -48.8810,
32.3590

 100.6160,
-41.6360, 27.7080

 115.6890,
-34.7120, 23.3680

■ 131.3490,
-28.0630, 18.5050

■ 147.3080,
-20.8180, 13.8540

■ 162.9680,
-14.1690, 8.9910

■ 178.3400, -6.6490,
4.8630

Harmonies

Analogous

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



68.8600, -91.9330, 30.6510



37.9650, -69.6990, 46.2130



60.2680, 48.8620, 72.6540

Triad

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



37.9650, -69.6990, 46.2130



46.1800, 70.3750, 18.6550



57.4020, -45.8910, -21.8510

Complementary

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



37.9650, -69.6990, 46.2130



156.0350, 69.6990, -46.2130

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.



47.5470, -22.2750, -42.3630



37.9650, -69.6990, 46.2130



56.7150, 22.0110, -18.9570

Square

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



37.9650, -69.6990, 46.2130



49.6340, 98.9360, 35.1920



45.1990, -21.1750, -40.2710



67.4680, -71.4790, 1.3610

Rectangle

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



37.9650, -69.6990, 46.2130



61.7440, 79.2160, 62.1920



45.1990, -21.1750, -40.2710



53.6230, -36.6280, -30.0360

Sweetspot

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



37.9650, -69.6990, 46.2130



191.4200, -26.8250, 18.0950



132.6880, -106.3150, -50.1470



90.7660, -16.4160, 11.1680



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.



37.9650, -69.6990, 46.2130



49.2730, -90.5170, 60.0670



42.4480, -21.7460, 74.7500



89.3140, -3.7600, 2.0640



31.2680, -57.7310, 38.5650



6.6970, -11.9680, 7.6480

Inverse Universe

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



61.0840, 106.9570, 49.5250



79.3380, 138.9570, 64.3090



151.5520, 21.7460, -74.7500



90.2180, 5.3180, 2.7420



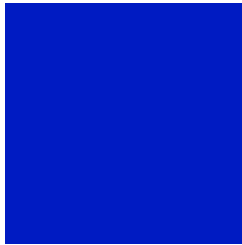
50.6470, 88.8940, 40.9740



10.4370, 18.0630, 8.5510

Previews

White Background



This preview shows how the YIQ color 37.9650, -69.6990, 46.2130 looks on a white background.

Color Contrast Check

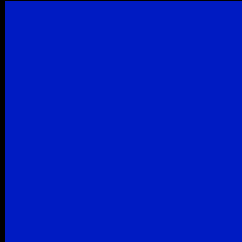
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9650, -69.6990, 46.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

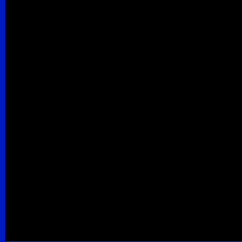
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.9650, -69.6990, 46.2130

Background



This preview shows how black text looks on a background with the YIQ color 37.9650, -69.6990, 46.2130.



This preview shows how white text looks on a background with the YIQ color 37.9650, -69.6990,

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

37.9650, -69.6990, 46.2130

Protanopia

49.5840, -56.9460, 7.8060

Deuteranopia

49.6520, -51.6260, -0.5060



Tritanopia

48.7110, -42.0870, -13.6950

Trichromacy



Original Color

37.9650, -69.6990, 46.2130

Protanomaly

45.3900, -61.6710, 21.8570

Deuteranomaly

45.6690, -58.3230, 16.2450

Tritanomaly

44.9220, -52.0860, 7.8340

Monochromacy



Original Color

37.9650, -69.6990, 46.2130

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.9640, -25.5410, 16.8510

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.9650, -69.6990, 46.2130 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(0, 27, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 27, 194)  
}
```

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(0, 27, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 27, 194) }
```

Border

The CSS property to change the border of an element to YIQ 37.9650, -69.6990, 46.2130 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(0, 27, 194) }
```


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

```
.border{ border-color:rgb(0, 27, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 27, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 27, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 27, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 27, 194)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.9650, -69.6990, 46.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 27, 194) }
```

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

```
.background{ background-color: rgb(0, 27,  
194) }
```

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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