

Converting Colors

YIQ(23.8190, -49.1570, 37.3630)

Have a look what the booklet for
YIQ(23.8190, -49.1570, 37.3630)
contains.

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Color

**YIQ(23.8190, -49.1570,
37.3630)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 000D8E |
| RGB | 0, 13, 142 |
| RGB Percent | 0%, 5%, 56% |
| CMY | 0.9999, 0.9490, 0.4434 |
| CMYK | 1.00, 0.91, 0.00, 0.44 |
| HSL | 235°, 100%, 28% |
| HSV | 235°, 100%, 56% |
| XYZ | 5.0210, 2.2388, 25.7291 |
| YIQ | 23.8190, -49.1570, 37.3630 |

Conversions

Conversions Part 2

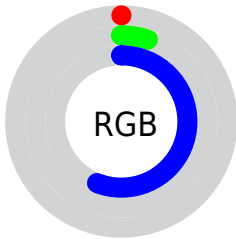
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 12, 142 |
| Decimal | 3470 |
| CIELab | 16.69, 46.69, -67.28 |
| CIELCh | 17, 81.891, 304.759 |
| Yxy | 2.2388, 0.1522, 0.0679 |
| Android (android.graphics.Color) | 4278193550 (0xFF000D8E) |
| YUV | 23.8190, 58.2632, -20.8893 |
| Hunter-Lab | 14.9627, 33.7143, -91.4784 |

Details

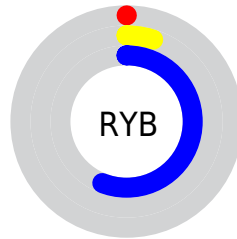
The YIQ color **23.8190, -49.1570, 37.3630** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **118.1810, 49.1570, -37.3630**, and the grayscale version is **23.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **83.9790, -28.7560, 47.5960**, and **10.2600, -28.8900, 27.9900** is the 20% darker color. If you saturate the color by 10%, you get **23.8190, -49.1570, 37.3630**, and if you desaturate by 10%, it is **35.6360, -44.3880, 33.5320**.

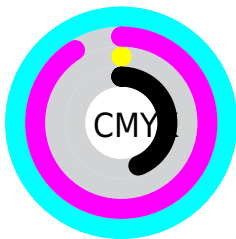
Distribution



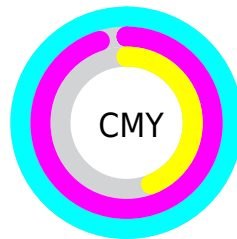
- Red (0%)
- Green (5%)
- Blue (56%)



- Red (0%)
- Yellow (5%)
- Blue (56%)



- Cyan (100%)
- Magenta (91%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (95%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 23.8190, -49.1570, 37.3630 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 23.8190, -49.1570, 37.3630 by changing the saturation by 10% instead.

■ 23.8190, -49.1570,
37.3630

■ 23.8190, -49.1570,
37.3630

■ 250.8910, 1.9250,
3.6610

■ 13.2240, -37.2360,
36.0760

■ 83.9790, -28.7560,
47.5960

■ 10.2600, -28.8900,
27.9900

■ 110.9300,
-27.0600, 49.9000

■ 11.5190, -22.7900,
16.5540

■ 137.8810,
-25.3640, 52.2040

■ 6.5490, -14.3070,
11.4930

■ 161.8140,
-15.2300, 44.7540

■ 2.9810, -7.0160,
6.0080

■ 186.0460, -4.5000,
37.5160

■ 0.0000, 0.0000,
0.0000

■ 211.4520, 5.6800,

29.2320

■ 233.8680, 9.9000,
18.8280

■ 23.8190, -49.1570,
37.3630

■ 35.6360, -44.3880,
33.5320

■ 47.4530, -39.6190,
29.7010

■ 59.5690, -34.2540,
26.0820

■ 71.3860, -29.4850,
22.2510

■ 82.6160, -24.4410,
18.9430

■ 94.4330, -19.6720,
15.1120

■ 106.2500,
-14.9030, 11.2810

■ 118.3660, -9.5380,
7.6620

■ 130.1830, -4.7690,
3.8310

Harmonies

Analogous

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



48.7470, -66.9900, 24.6420



23.8190, -49.1570, 37.3630



43.7910, 36.3030, 52.4550

Triad

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



23.8190, -49.1570, 37.3630



30.1330, 51.3940, 15.7300



40.3330, -32.2750, -15.3070

Complementary

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



23.8190, -49.1570, 37.3630



118.1810, 49.1570, -37.3630

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.



34.0460, -15.9500, -30.3340



23.8190, -49.1570, 37.3630



38.3970, 14.3990, -13.1610

Square

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



23.8190, -49.1570, 37.3630



35.8800, 71.5200, 25.4400



31.1110, -14.5750, -27.7190



48.2330, -51.7640, 1.9960

Rectangle

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



23.8190, -49.1570, 37.3630



44.7270, 59.5500, 44.1420



31.1110, -14.5750, -27.7190



37.3520, -25.2590, -21.3150

Sweetspot

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



23.8190, -49.1570, 37.3630



138.2050, -19.0300, 14.4900



97.9460, -80.1380, -34.4580



64.5230, -11.4180, 8.6940



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



23.8190, -49.1570, 37.3630



30.9550, -63.7390, 48.3330



33.2310, -11.6100, 56.2460



65.3850, -2.5220, 1.6540



22.4340, -46.6350, 35.7090



1.4990, -2.8430, 1.9650

Inverse Universe

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



43.9400, 80.4590, 34.1470



56.9540, 104.2070, 44.2950



108.7690, 11.6100, -56.2460



66.2070, 3.8510, 1.7950



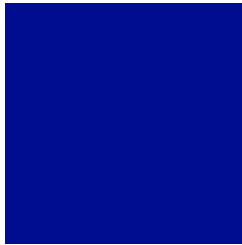
41.7330, 76.6080, 32.3520



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 23.8190, -49.1570, 37.3630 looks on a white background.

Color Contrast Check

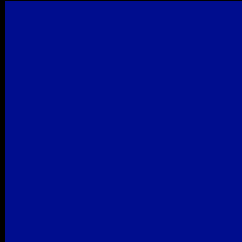
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8190, -49.1570, 37.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

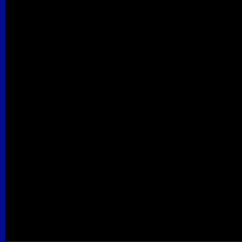
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 23.8190, -49.1570, 37.3630

Background



This preview shows how black text looks on a background with the YIQ color 23.8190, -49.1570, 37.3630.



This preview shows how white text looks on a background with the YIQ color 23.8190, -49.1570,

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

23.8190, -49.1570, 37.3630

Protanopia

34.8000, -40.1190, 5.7130

Deuteranopia

34.9650, -36.4500, -0.2100



Tritanopia

34.5770, -29.8460, -9.7660

Trichromacy



Original Color

23.8190, -49.1570, 37.3630

Protanomaly

30.5090, -43.1930, 17.3750

Deuteranomaly

30.6570, -40.8540, 13.5300

Tritanomaly

30.7080, -36.8640, 7.2960

Monochromacy



Original Color

23.8190, -49.1570, 37.3630

Achromatopsia

24.0000, -0.0000, 0.0000

Achromatomaly

23.8630, -18.0670, 13.5570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 23.8190, -49.1570, 37.3630 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, 13, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 13, 142)  
}
```

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, 13, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 142) }
```

Border

The CSS property to change the border of an element to YIQ 23.8190, -49.1570, 37.3630 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, 13, 142) }
```


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

```
.border{ border-color:rgb(0, 13, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 13, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 13, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 13, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 13, 142)  
}
```

Background

The CSS property to change the background color of an element to YIQ 23.8190, -49.1570, 37.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 13, 142) }
```

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

```
.background{ background-color: rgb(0, 13,  
142) }
```

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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