

Converting Colors

YIQ(38.3910, -37.0490, 16.1590)

Have a look what the booklet for
YIQ(38.3910, -37.0490, 16.1590)
contains.

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Color

**YIQ(38.3910, -37.0490,
16.1590)**

Conversions

Conversions Part 1

Format	Color
Hex	0D266B
RGB	13, 38, 107
RGB Percent	5%, 15%, 42%
CMY	0.9490, 0.8509, 0.5806
CMYK	0.88, 0.64, 0.00, 0.58
HSL	224°, 78%, 24%
HSV	224°, 88%, 42%
XYZ	3.5105, 2.5329, 14.1997
YIQ	38.3910, -37.0490, 16.1590

Conversions

Conversions Part 2

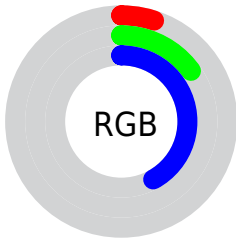
Format	Color
R_{YB}	13, 33, 107
Decimal	861803
CIE _{Lab}	18.07, 19.67, -42.69
CIE _{LCh}	18, 47.002, 294.744
Yxy	2.5329, 0.1734, 0.1251
Android (android.graphics.Color)	4279051883 (0xFF0D266B)
YUV	38.3910, 33.8242, -22.2679
Hunter-Lab	15.9151, 11.5218, -41.7589

Details

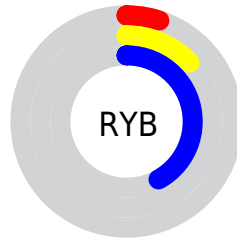
The YIQ color **38.3910, -37.0490, 16.1590** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **81.6090, 37.0490, -16.1590**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **88.9840, -28.2930, 22.6750**, and **6.7260, -18.9390, 18.3490** is the 20% darker color. If you saturate the color by 10%, you get **30.4060, -41.4050, 18.0110**, and if you desaturate by 10%, it is **46.3760, -32.6930, 14.3070**.

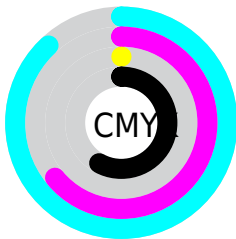
Distribution



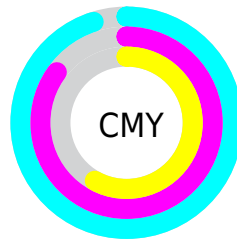
- Red (5%)
- Green (15%)
- Blue (42%)



- Red (5%)
- Yellow (13%)
- Blue (42%)



- Cyan (88%)
- Magenta (64%)
- Yellow (0%)
- Black (58%)



- Cyan (95%)
- Magenta (85%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.3910, -37.0490, 16.1590 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 38.3910, -37.0490, 16.1590 by changing the saturation by 10% instead.

■ 38.3910, -37.0490,
16.1590

■ 38.3910, -37.0490,
16.1590

■ 255.0000, -0.0000,
-0.0000

■ 19.9140, -31.2720,
16.0880

■ 88.9840, -28.2930,
22.6750

■ 6.7260, -18.9390,
18.3490

■ 114.8100,
-27.7430, 23.7210

■ 5.2780, -12.1060,
10.1500

■ 140.7500,
-27.5140, 25.0780

■ 1.3680, -3.8520,
3.7320

■ 167.6900,
-27.2850, 26.4350

■ 0.0000, 0.0000,
0.0000

■ 193.2790,
-21.8740, 21.9820

■ 217.7990,

-12.0150, 14.0090

■ 243.4930, -2.7060,
4.9900

■ 38.3910, -37.0490,
16.1590

■ 38.3910, -37.0490,
16.1590

■ 30.4060, -41.4050,
18.0110

■ 46.3760, -32.6930,
14.3070

■ 28.6340, -42.0470,
18.6330

■ 54.0620, -28.9330,
12.2430

■ 62.0470, -24.5770,
10.3910

■ 69.4450, -19.9460,
9.0620

■ 77.1310, -16.1860,
6.9980

■ 85.1160, -11.8300,
5.1460

■ 93.1010, -7.4740,
3.2940

■ 101.0860, -3.1180,
1.4420

■ 108.7720, 0.6420,
-0.6220

Harmonies

Analogous

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



42.8190, -50.2980, 8.4700



38.3910, -37.0490, 16.1590



40.8170, 15.0780, 35.1260

Triad

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



38.3910, -37.0490, 16.1590



38.9160, 44.3350, 5.9910



37.6770, -27.5520, -18.3040

Complementary

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



38.3910, -37.0490, 16.1590



81.6090, 37.0490, -16.1590

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.



32.2850, -15.1250, -28.7650



38.3910, -37.0490, 16.1590



42.3060, 25.0810, -8.5110

Square

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



38.3910, -37.0490, 16.1590



31.6530, 53.2260, 26.5860



37.7220, 2.9380, -20.2140



42.2540, -39.0620, -7.9420

Rectangle

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



38.3910, -37.0490, 16.1590



35.2880, 35.8010, 39.5210



37.7220, 2.9380, -20.2140



36.3090, -23.7000, -22.0360

Sweetspot

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



38.3910, -37.0490, 16.1590



113.3870, -14.0310, 6.4890



76.0440, -47.9990, -27.7030



55.0300, -8.7120, 3.7040



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000

Same Dimension

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



38.3910, -37.0490, 16.1590



37.6790, -55.1150, 24.1890



30.2940, -17.0620, 33.8980



49.8580, -2.4760, 0.8200



31.5350, -46.0820, 20.1740



66.0850, -96.5200, 42.2000

Inverse Universe

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



43.9560, 47.9990, 27.7030



46.0780, 71.5630, 41.1870



89.7060, 17.0620, -33.8980



50.0220, 2.9340, 1.8940



38.5170, 59.7810, 34.4450



80.6650, 125.1550, 72.1550

Previews

White Background



This preview shows how the YIQ color 38.3910, -37.0490, 16.1590 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 38.3910, -37.0490, 16.1590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

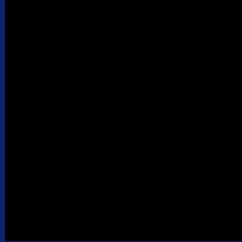
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.3910, -37.0490, 16.1590

Background



This preview shows how black text looks on a background with the YIQ color 38.3910, -37.0490, 16.1590.



This preview shows how white text looks on a background with the YIQ color 38.3910, -37.0490,

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

38.3910, -37.0490, 16.1590

Protanopia

35.6150, -41.0360, 5.8120

Deuteranopia

35.8940, -37.6880, 0.2000



Tritanopia

35.3920, -30.7630, -9.6670

Trichromacy



Original Color

38.3910, -37.0490, 16.1590

Protanomaly

36.6200, -39.4320, 9.7840

Deuteranomaly

36.8820, -37.4140, 6.2500

Tritanomaly

36.8190, -33.1030, -0.2950

Monochromacy



Original Color

38.3910, -37.0490, 16.1590

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.1590, -13.3890, 5.8670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.3910, -37.0490, 16.1590 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(13, 38, 107)` looks like.

```
.text, #text, p{  
    color:rgb(13, 38, 107)  
}
```

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(13, 38, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 38, 107) }
```

Border

The CSS property to change the border of an element to YIQ 38.3910, -37.0490, 16.1590 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(13, 38, 107) }
```


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

```
.border{ border-color:rgb(13, 38, 107) }
```

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

Here you see how a box with a 4 pixel rgb(13, 38, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 38, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 38, 107);  
box-shadow:4px 4px 4px 4px rgb(13, 38,  
107) }
```

Background

The CSS property to change the background color of an element to YIQ 38.3910, -37.0490, 16.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 38, 107) }
```

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

```
.background{ background-color: rgb(13, 38,  
107) }
```

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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