

Converting Colors

YIQ(38.7810, -11.6040, 23.0840)

Have a look what the booklet for
YIQ(38.7810, -11.6040, 23.0840)
contains.

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Color

**YIQ(38.7810, -11.6040,
23.0840)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 2A1B5B |
| RGB | 42, 27, 91 |
| RGB Percent | 16%, 11%, 36% |
| CMY | 0.8352, 0.8941, 0.6432 |
| CMYK | 0.54, 0.70, 0.00, 0.64 |
| HSL | 254°, 54%, 23% |
| HSV | 254°, 70%, 36% |
| XYZ | 3.2347, 2.0311, 10.1136 |
| YIQ | 38.7810, -11.6040, 23.0840 |

Conversions

Conversions Part 2

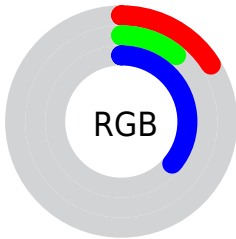
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 42, 27, 91 |
| Decimal | 2759515 |
| CIE _{Lab} | 15.65, 25.61, -36.01 |
| CIE _{LCh} | 16, 44.186, 305.423 |
| Yxy | 2.0311, 0.2103, 0.1321 |
| Android (android.graphics.Color) | 4280949595 (0xFF2A1B5B) |
| YUV | 38.7810, 25.7440, 2.8231 |
| Hunter-Lab | 14.2518, 15.5731, -32.0980 |

Details

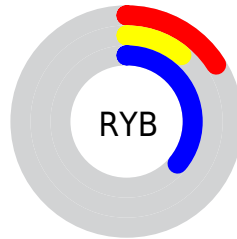
The YIQ color **38.7810, -11.6040, 23.0840** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **79.2190, 11.6040, -23.0840**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **86.2590, -9.9540, 26.2220**, and **5.0160, -14.1240, 13.6840** is the 20% darker color. If you saturate the color by 10%, you get **31.4050, -13.3010, 26.3070**, and if you desaturate by 10%, it is **46.1570, -9.9070, 19.8610**.

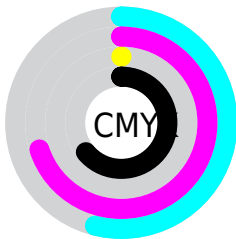
Distribution



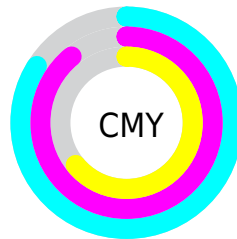
- Red (16%)
- Green (11%)
- Blue (36%)



- Red (16%)
- Yellow (11%)
- Blue (36%)



- Cyan (54%)
- Magenta (70%)
- Yellow (0%)
- Black (64%)



- Cyan (84%)
- Magenta (89%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.7810, -11.6040, 23.0840 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 38.7810, -11.6040, 23.0840 by changing the saturation by 10% instead.

■ 38.7810, -11.6040,
23.0840

■ 38.7810, -11.6040,
23.0840

■ 255.0000, -0.0000,
-0.0000

■ 15.3570, -13.3460,
21.6140

■ 86.2590, -9.9540,
26.2220

■ 5.0160, -14.1240,
13.6840

■ 110.6120, -9.4500,
28.1020

■ 3.2090, -7.6580,
6.6300

■ 136.1390, -9.4960,
28.9360

■ 0.0000, 0.0000,
0.0000

■ 162.6660, -9.5420,
29.7700

■ 190.1930, -9.5880,
30.6040

■ 214.9410, -0.3710,

23.2530

239.7380, 7.1500,
13.5980

38.7810, -11.6040,
23.0840

38.7810, -11.6040,
23.0840

31.4050, -13.3010,
26.3070

46.1570, -9.9070,
19.8610

24.0290, -14.9980,
29.5300

53.5330, -8.2100,
16.6380

16.6530, -16.6950,
32.7530

60.9090, -6.5130,
13.4150

68.2850, -4.8160,
10.1920

75.6610, -3.1190,
6.9690

■ 83.6240, -1.6970,
3.2230

■ 91.0000, -0.0000,
-0.0000

■ 98.3760, 1.6970,
-3.2230

■ 105.7520, 3.3940,
-6.4460

Harmonies

Analogous

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



36.3960, -44.6130, 10.0670



38.7810, -11.6040, 23.0840



31.1450, 25.8980, 37.2740

Triad

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



38.7810, -11.6040, 23.0840



36.4800, 33.6990, 0.5070



34.9530, -28.1490, -12.9890

Complementary

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



38.7810, -11.6040, 23.0840



79.2190, 11.6040, -23.0840

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.



30.3760, -16.6390, -23.3510



38.7810, -11.6040, 23.0840



36.9350, 15.8200, -11.3800

Square

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



38.7810, -11.6040, 23.0840



26.6000, 51.5770, 17.9210



29.9810, -8.1570, -22.8850



38.4870, -38.1000, -3.3480

Rectangle

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



38.7810, -11.6040, 23.0840



31.7410, 38.5990, 32.8630



29.9810, -8.1570, -22.8850



33.6990, -24.6180, -16.4100

Sweetspot

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



38.7810, -11.6040, 23.0840



97.2310, -4.7240, 8.5240



63.0590, -34.0190, -5.7230



46.6070, -3.0270, 5.3010



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



38.7810, -11.6040, 23.0840



37.0490, -17.7500, 35.3540



48.3490, 7.4680, 29.8680



41.8690, -1.0090, 1.7670



20.3140, -19.8140, 39.7220



43.7620, -42.7010, 85.5790

Inverse Universe

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



51.7220, 22.4150, 28.8070



56.8520, 34.3330, 44.1010



69.6510, -7.4680, -29.8680



42.9510, 1.6960, 2.3040



42.4660, 38.5960, 49.4440



91.4970, 83.1510, 106.5350

Previews

White Background



This preview shows how the YIQ color 38.7810, -11.6040, 23.0840 looks on a white background.

Color Contrast Check

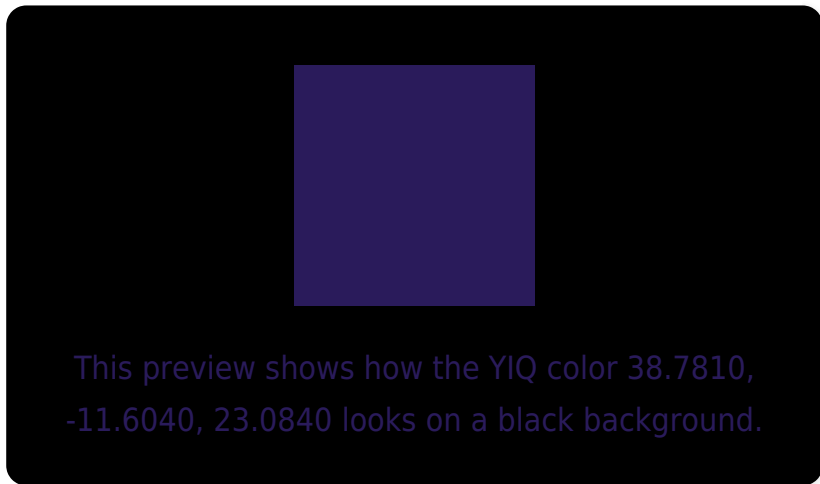
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

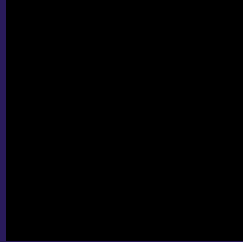
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.7810, -11.6040, 23.0840

Background



This preview shows how black text looks on a background with the YIQ color 38.7810, -11.6040, 23.0840.



This preview shows how white text looks on a background with the YIQ color 38.7810, -11.6040,

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

38.7810, -11.6040, 23.0840

Protanopia

31.5400, -36.4510, 5.3170

Deuteranopia

32.0470, -33.7450, 0.3270



Tritanopia

37.9710, -10.2240, -1.9360

Trichromacy



Original Color

38.7810, -11.6040, 23.0840

Protanomaly

34.1330, -27.6950, 11.8330

Deuteranomaly

34.5090, -25.9980, 8.6100

Tritanomaly

38.3550, -11.0050, 6.7150

Monochromacy



Original Color

38.7810, -11.6040, 23.0840

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.1170, -4.4030, 8.2130

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.7810, -11.6040, 23.0840 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(42, 27, 91)` looks like.

```
.text, #text, p{  
    color:rgb(42, 27, 91)  
}
```

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(42, 27, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 27, 91) }
```

Border

The CSS property to change the border of an element to YIQ 38.7810, -11.6040, 23.0840 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(42, 27, 91) }
```


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

```
.border{ border-color:rgb(42, 27, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 27, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 27, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 27, 91);  
box-shadow:4px 4px 4px 4px rgb(42, 27, 91)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.7810, -11.6040, 23.0840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 27, 91) }
```

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

```
.background{ background-color: rgb(42, 27,  
91) }
```

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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