

Converting Colors

YIQ(37.6770, -34.4380, 29.4180)

Have a look what the booklet for
YIQ(37.6770, -34.4380, 29.4180)
contains.

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Color

**YIQ(37.6770, -34.4380,
29.4180)**

Conversions

Conversions Part 1

Format	Color
Hex	171C7E
RGB	23, 28, 126
RGB Percent	9%, 11%, 49%
CMY	0.9097, 0.8902, 0.5061
CMYK	0.82, 0.78, 0.00, 0.51
HSL	237°, 69%, 29%
HSV	237°, 82%, 49%
XYZ	4.5313, 2.5179, 19.9675
YIQ	37.6770, -34.4380, 29.4180

Conversions

Conversions Part 2

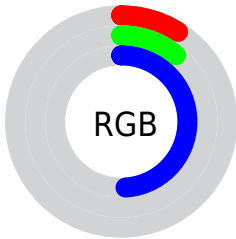
Format	Color
R_{YB}	23, 28, 126
Decimal	1514622
CIE _{Lab}	18.00, 34.75, -55.01
CIE _{LCh}	18, 65.066, 302.283
Yxy	2.5179, 0.1677, 0.0932
Android (android.graphics.Color)	4279704702 (0xFF171C7E)
YUV	37.6770, 43.5432, -12.8717
Hunter-Lab	15.8678, 23.2051, -63.5008

Details

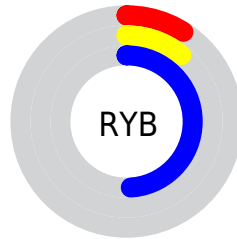
The YIQ color **37.6770, -34.4380, 29.4180** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **111.3230, 34.4380, -29.4180**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **89.3840, -26.0030, 36.2450**, and **8.6640, -24.3960, 23.6360** is the 20% darker color. If you saturate the color by 10%, you get **26.7460, -38.8860, 32.9380**, and if you desaturate by 10%, it is **48.6080, -29.9900, 25.8980**.

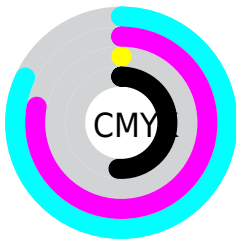
Distribution



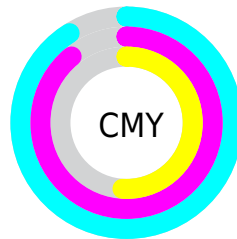
- Red (9%)
- Green (11%)
- Blue (49%)



- Red (9%)
- Yellow (11%)
- Blue (49%)



- Cyan (82%)
- Magenta (78%)
- Yellow (0%)
- Black (51%)



- Cyan (91%)
- Magenta (89%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.6770, -34.4380, 29.4180 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 37.6770, -34.4380, 29.4180 by changing the saturation by 10% instead.

■ 37.6770, -34.4380,
29.4180

■ 37.6770, -34.4380,
29.4180

■ 255.0000, -0.0000,
-0.0000

■ 15.5090, -34.0250,
27.4390

■ 89.3840, -26.0030,
36.2450

■ 8.6640, -24.3960,
23.6360

■ 115.3350,
-24.3070, 38.5490

■ 8.2760, -17.7920,
14.0800

■ 141.5740,
-23.4820, 40.1180

■ 4.5940, -10.1800,
8.2840

■ 167.3740,
-20.0430, 38.3650

■ 0.0000, 0.0000,
0.0000

■ 191.8940,
-10.1840, 30.3920

■ 217.3000, -0.0040,

22.1080

240.9120, 6.6000,
12.5520

37.6770, -34.4380,
29.4180

37.6770, -34.4380,
29.4180

26.7460, -38.8860,
32.9380

48.6080, -29.9900,
25.8980

17.8860, -42.0960,
36.0480

59.2400, -26.1380,
22.1660

70.1710, -21.6900,
18.6460

80.8030, -17.8380,
14.9140

91.7340, -13.3900,
11.3940

■ 102.6650, -8.9420,
7.8740

■ 113.2970, -5.0900,
4.1420

■ 124.2280, -0.6420,
0.6220

■ 134.8600, 3.2100,
-3.1100

Harmonies

Analogous

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



46.0110, -59.2860, 17.1780



37.6770, -34.4380, 29.4180



39.4480, 29.8390, 48.4550

Triad

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



37.6770, -34.4380, 29.4180



37.4650, 47.2230, 8.7190



40.5780, -31.5870, -16.7630

Complementary

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



37.6770, -34.4380, 29.4180



111.3230, 34.4380, -29.4180

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



37.6770, -34.4380, 29.4180



41.3760, 18.8920, -11.9880

Square

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



37.6770, -34.4380, 29.4180



33.4880, 66.7520, 23.7440



31.6980, -14.8500, -28.2420



46.5230, -46.9490, -2.6690

Rectangle

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



37.6770, -34.4380, 29.4180



40.9970, 49.9220, 42.4180



31.6980, -14.8500, -28.2420



38.6400, -26.1300, -22.0500

Sweetspot

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



37.6770, -34.4380, 29.4180



127.8480, -13.7110, 11.7050



94.6330, -59.7830, -23.3910



60.4370, -8.3000, 7.2520



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



37.6770, -34.4380, 29.4180



25.9360, -53.5600, 45.5760



48.4960, -5.6470, 41.7850



58.3850, -2.5220, 1.6540



18.1140, -42.7380, 36.6700



0.0000, 0.0000, 0.0000

Inverse Universe

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



54.3670, 59.7830, 23.3910



51.7520, 92.7920, 36.4080



100.5040, 5.6470, -41.7850



59.2070, 3.8510, 1.7950



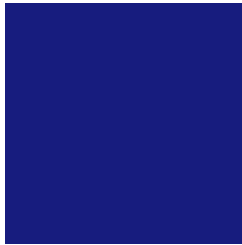
38.9560, 74.3620, 29.0020



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 37.6770, -34.4380, 29.4180 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 37.6770, -34.4380, 29.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

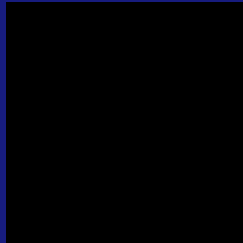
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.6770, -34.4380, 29.4180

Background



This preview shows how black text looks on a background with the YIQ color 37.6770, -34.4380, 29.4180.



This preview shows how white text looks on a background with the YIQ color 37.6770, -34.4380,

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

37.6770, -34.4380, 29.4180

Protanopia

35.6150, -41.0360, 5.8120

Deuteranopia

35.7800, -37.3670, -0.1110



Tritanopia

35.3920, -30.7630, -9.6670

Trichromacy



Original Color

37.6770, -34.4380, 29.4180

Protanomaly

36.5540, -39.0660, 14.1660

Deuteranomaly

36.1150, -36.4520, 10.8440

Tritanomaly

36.1660, -32.4620, 4.6100

Monochromacy



Original Color

37.6770, -34.4380, 29.4180

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.8050, -12.1520, 10.9840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.6770, -34.4380, 29.4180 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(23, 28, 126)` looks like.

```
.text, #text, p{  
    color:rgb(23, 28, 126)  
}
```

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(23, 28, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 28, 126) }
```

Border

The CSS property to change the border of an element to YIQ 37.6770, -34.4380, 29.4180 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(23, 28, 126) }
```


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

```
.border{ border-color:rgb(23, 28, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 28, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 28, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 28, 126);  
box-shadow:4px 4px 4px 4px rgb(23, 28,  
126) }
```

Background

The CSS property to change the background color of an element to YIQ 37.6770, -34.4380, 29.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 28, 126) }
```

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

```
.background{ background-color: rgb(23, 28,  
126) }
```

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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