

Converting Colors

YIQ(37.7800, -19.0310, 20.0170)

Have a look what the booklet for
YIQ(37.7800, -19.0310, 20.0170)
contains.

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Color

**YIQ(37.7800, -19.0310,
20.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	201E5D
RGB	32, 30, 93
RGB Percent	13%, 12%, 36%
CMY	0.8745, 0.8824, 0.6354
CMYK	0.66, 0.68, 0.00, 0.64
HSL	242°, 51%, 24%
HSV	242°, 68%, 36%
XYZ	3.0346, 2.0255, 10.5796
YIQ	37.7800, -19.0310, 20.0170

Conversions

Conversions Part 2

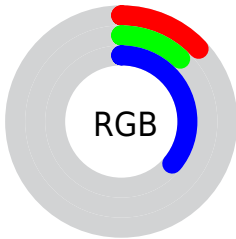
Format	Color
RYB	32, 30, 93
Decimal	2104925
CIELab	15.62, 22.33, -37.43
CIELCh	16, 43.580, 300.815
Yxy	2.0255, 0.1940, 0.1295
Android (android.graphics.Color)	4280295005 (0xFF201E5D)
YUV	37.7800, 27.2235, -5.0691
Hunter-Lab	14.2321, 13.1547, -34.1115

Details

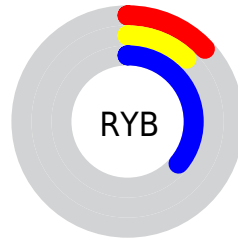
The YIQ color **37.7800, -19.0310, 20.0170** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **85.2200, 19.0310, -20.0170**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **84.9700, -16.5100, 23.8900**, and **5.8310, -15.0410, 13.7830** is the 20% darker color. If you saturate the color by 10%, you get **29.8060, -21.9200, 22.8160**, and if you desaturate by 10%, it is **45.7540, -16.1420, 17.2180**.

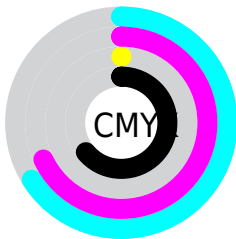
Distribution



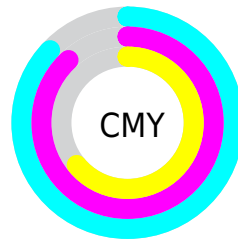
- Red (13%)
- Green (12%)
- Blue (36%)



- Red (13%)
- Yellow (12%)
- Blue (36%)



- Cyan (66%)
- Magenta (68%)
- Yellow (0%)
- Black (64%)



- Cyan (87%)
- Magenta (88%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.7800, -19.0310, 20.0170 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 37.7800, -19.0310, 20.0170 by changing the saturation by 10% instead.

■ 37.7800, -19.0310,
20.0170

■ 37.7800, -19.0310,
20.0170

■ 255.0000, -0.0000,
-0.0000

■ 13.1490, -24.6240,
16.7520

■ 84.9700, -16.5100,
23.8900

■ 5.8310, -15.0410,
13.7830

■ 109.9100,
-16.2810, 25.2470

■ 3.3230, -7.9790,
6.9410

■ 135.7360,
-15.7310, 26.2930

■ 0.0000, 0.0000,
0.0000

■ 162.3770,
-16.0980, 27.4380

■ 189.2030,
-15.5480, 28.4840

■ 214.0110, -6.5600,

19.7760

■ 239.1180, 3.0240,
11.2800

■ 37.7800, -19.0310,
20.0170

■ 37.7800, -19.0310,
20.0170

■ 29.8060, -21.9200,
22.8160

■ 45.7540, -16.1420,
17.2180

■ 21.2450, -24.5340,
26.1380

■ 54.3150, -13.5280,
13.8960

■ 13.2710, -27.4230,
28.9370

■ 62.2890, -10.6390,
11.0970

■ 11.4990, -28.0650,
29.5590

■ 70.2630, -7.7500,
8.2980

■ 78.2370, -4.8610,
5.4990

■ 86.7980, -2.2470,
2.1770

■ 94.7720, 0.6420,
-0.6220

■ 102.7460, 3.5310,
-3.4210

■ 111.3070, 6.1450,
-6.7430

Harmonies

Analogous

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



36.8690, -44.5670, 9.2330



37.7800, -19.0310, 20.0170



33.3400, 20.8550, 35.0550

Triad

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



37.7800, -19.0310, 20.0170



35.6160, 36.3120, 2.7120



34.3830, -26.5440, -14.5440

Complementary

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



37.7800, -19.0310, 20.0170



85.2200, 19.0310, -20.0170

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.



28.9910, -14.1170, -25.0050



37.7800, -19.0310, 20.0170



36.9570, 18.7540, -9.4860

Square

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



37.7800, -19.0310, 20.0170



26.8820, 50.8430, 20.2110



31.7860, -3.1140, -20.6660



37.9170, -36.4950, -4.9030

Rectangle

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



37.7800, -19.0310, 20.0170



31.7130, 35.8020, 33.9940



31.7860, -3.1140, -20.6660



33.1290, -23.0130, -17.9650

Sweetspot

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



37.7800, -19.0310, 20.0170



99.0350, -7.1080, 7.6760



73.5760, -37.2730, -12.8330



48.5960, -4.4940, 4.3540



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



37.7800, -19.0310, 20.0170



34.9550, -29.3490, 30.8030



47.0490, -0.5550, 26.5890



41.5700, -1.6050, 1.5550



13.7360, -32.9260, 35.0580



29.4100, -71.3090, 75.4030

Inverse Universe

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



55.7910, 17.9670, 32.3270



62.7190, 27.6380, 49.7980



75.9510, 0.5550, -26.5890



43.0650, 1.3750, 2.6150



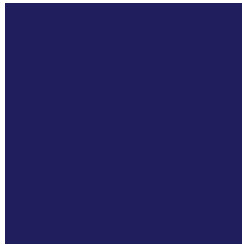
44.9740, 31.5340, 56.2860



97.0830, 67.4220, 121.7740

Previews

White Background



This preview shows how the YIQ color 37.7800, -19.0310, 20.0170 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 37.7800, -19.0310, 20.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

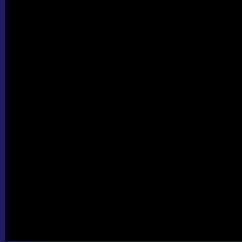
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.7800, -19.0310, 20.0170

Background



This preview shows how black text looks on a background with the YIQ color 37.7800, -19.0310, 20.0170.



This preview shows how white text looks on a background with the YIQ color 37.7800, -19.0310,

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

37.7800, -19.0310, 20.0170

Protanopia

31.4260, -36.1300, 5.0060

Deuteranopia

31.9330, -33.4240, 0.0160



Tritanopia

31.1860, -27.1870, -8.3950

Trichromacy



Original Color

37.7800, -19.0310, 20.0170

Protanomaly

33.8230, -29.7580, 10.6740

Deuteranomaly

34.1990, -28.0610, 7.4510

Tritanomaly

33.7770, -24.1170, 2.0510

Monochromacy



Original Color

37.7800, -19.0310, 20.0170

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.9210, -6.7870, 7.3650

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.7800, -19.0310, 20.0170 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(32, 30, 93)` looks like.

```
.text, #text, p{  
    color:rgb(32, 30, 93)  
}
```

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(32, 30, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 30, 93) }
```

Border

The CSS property to change the border of an element to YIQ 37.7800, -19.0310, 20.0170 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(32, 30, 93) }
```


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

```
.border{ border-color:rgb(32, 30, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 30, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 30, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 30, 93);  
box-shadow:4px 4px 4px 4px rgb(32, 30, 93)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.7800, -19.0310, 20.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 30, 93) }
```

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

```
.background{ background-color: rgb(32, 30,  
93) }
```

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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