

Converting Colors

YIQ(31.2810, 10.1750, 19.3510)

Have a look what the booklet for
YIQ(31.2810, 10.1750, 19.3510)
contains.

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Color

**YIQ(31.2810, 10.1750,
19.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	351035
RGB	53, 16, 53
RGB Percent	21%, 6%, 21%
CMY	0.7920, 0.9373, 0.7921
CMYK	0.00, 0.70, 0.00, 0.79
HSL	300°, 54%, 14%
HSV	300°, 70%, 21%
XYZ	2.2974, 1.3848, 3.5147
YIQ	31.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

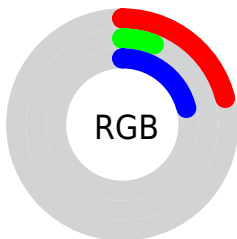
Format	Color
R_{YB}	53, 16, 53
Decimal	3477557
CIE _{Lab}	11.86, 24.50, -15.65
CIE _{LCh}	12, 29.070, 327.423
Yxy	1.3848, 0.3192, 0.1924
Android (android.graphics.Color)	4281667637 (0xFF351035)
YUV	31.2810, 10.7075, 19.0476
Hunter-Lab	11.7679, 14.2541, -9.4706




Details

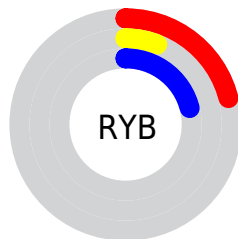
The YIQ color **31.2810, 10.1750, 19.3510** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **37.7190, -10.1750, -19.3510**, and the grayscale version is **31.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **77.4060, 11.3210, 20.6090**, and **0.4560, -1.2840, 1.2440** is the 20% darker color. If you saturate the color by 10%, you get **28.3460, 11.5500, 21.9660**, and if you desaturate by 10%, it is **34.2160, 8.8000, 16.7360**.

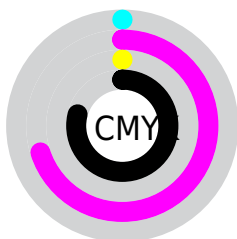
Distribution







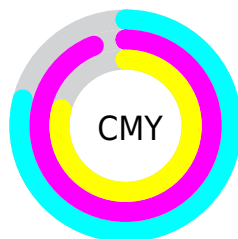
-  Red (21%)
-  Green (6%)
-  Blue (21%)






-  Red (21%)
-  Yellow (6%)
-  Blue (21%)



-  Cyan (0%)
-  Magenta (70%)
-  Yellow (0%)
-  Black (79%)



-  Cyan (79%)
-  Magenta (94%)
-  Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.2810, 10.1750, 19.3510 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 31.2810, 10.1750, 19.3510 by changing the saturation by 10% instead.

■ 31.2810, 10.1750,
19.3510

■ 31.2810, 10.1750,
19.3510

■ 249.1300, 2.7500,
5.2300

■ 13.8140, 9.9920,
17.1600

■ 77.4060, 11.3210,
20.6090

■ 0.4560, -1.2840,
1.2440

■ 102.1180, 12.1920,
21.3440

■ 0.0000, 0.0000,
0.0000

■ 126.9440, 12.7420,
22.3900


■ 153.3570, 13.0170,
22.9130


■ 180.0690, 13.8880,
23.6480


■ 208.0690, 13.8880,


23.6480


 232.6940, 10.4500,
19.8740

 31.2810, 10.1750,
19.3510


 31.2810, 10.1750,
19.3510

 28.3460, 11.5500,
21.9660


 34.2160, 8.8000,
16.7360


 24.8240, 13.2000,
25.1040

 37.7380, 7.1500,
13.5980

 21.8890, 14.5750,
27.7190

 40.6730, 5.7750,
10.9830

 43.6080, 4.4000,
8.3680

 47.1300, 2.7500,
5.2300

■ 50.0650, 1.3750,
2.6150

■ 53.0000, -0.0000,
-0.0000

■ 55.9350, -1.3750,
-2.6150

■ 59.4570, -3.0250,
-5.7530

Harmonies

Analogous

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



30.9620, -14.0320, 12.0160



31.2810, 10.1750, 19.3510



27.4200, 25.9010, 20.6930

Triad

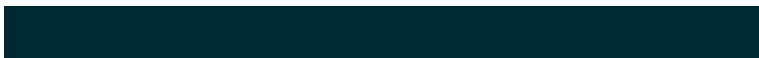
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.2810, 10.1750, 19.3510



30.1680, 16.7820, -6.7860



29.0660, -26.7290, -5.6810

Complementary

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



31.2810, 10.1750, 19.3510



37.7190, -10.1750, -19.3510

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.



26.7860, -20.3090, -11.9010



31.2810, 10.1750, 19.3510



27.4220, 4.0830, -13.4290

Square

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



31.2810, 10.1750, 19.3510



29.3700, 28.1970, 1.1010



22.7620, -11.7340, -18.6300



29.7160, -31.3150, 0.3410

Rectangle

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



31.2810, 10.1750, 19.3510



26.7100, 30.7160, 16.0280



22.7620, -11.7340, -18.6300



28.3820, -24.8030, -7.5470

Sweetspot

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



31.2810, 10.1750, 19.3510



60.1950, 4.1250, 7.8450



20.2180, -11.8770, 11.5070



30.7170, 2.4750, 4.7070



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



31.2810, 10.1750, 19.3510



34.9540, 15.9500, 30.3340



29.2290, 15.9530, 13.7530



24.1250, 1.1460, 1.2580



36.7570, 24.4750, 46.5470



89.6210, 59.6750, 113.4910

Inverse Universe

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



31.2810, 10.1750, 19.3510



34.9540, 15.9500, 30.3340



39.8850, -16.2740, -13.4420



24.1250, 1.1460, 1.2580



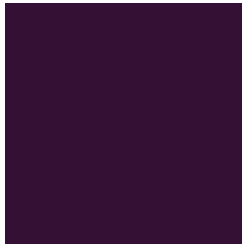
36.7570, 24.4750, 46.5470



89.6210, 59.6750, 113.4910

Previews

White Background



This preview shows how the YIQ color 31.2810, 10.1750, 19.3510 looks on a white background.

Color Contrast Check

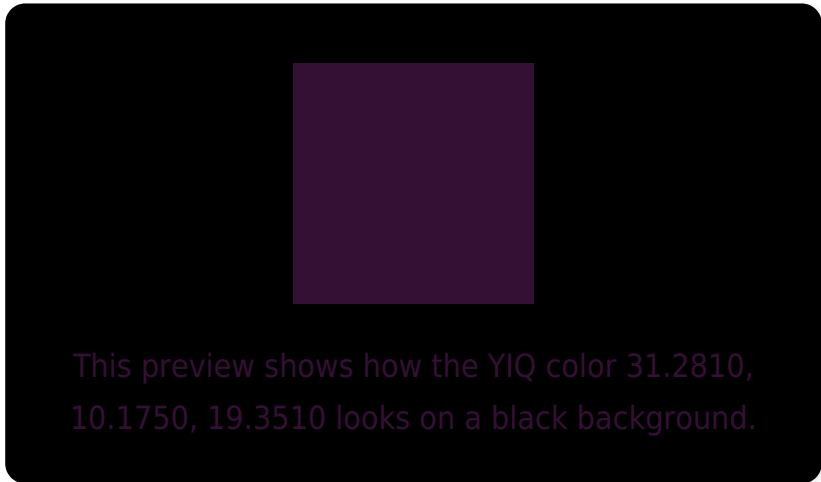
Large Text (above 18pt) WCAG AA ✓ Pass

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

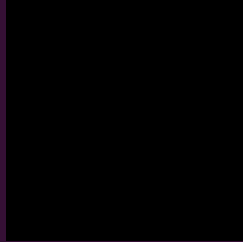
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.2810, 10.1750, 19.3510

Background



This preview shows how black text looks on a background with the YIQ color 31.2810, 10.1750, 19.3510.



This preview shows how white text looks on a background with the YIQ color 31.2810, 10.1750,

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

31.2810, 10.1750, 19.3510

Protanopia

25.8350, -30.0320, 4.6240

Deuteranopia

32.2470, -10.8210, 3.3790



Tritanopia

32.7030, 14.2580, 5.9220

Trichromacy



Original Color

31.2810, 10.1750, 19.3510

Protanomaly

28.0110, -15.7280, 9.7120

Deuteranomaly

32.1280, -2.9360, 9.1600

Tritanomaly

32.2670, 12.7900, 10.5020

Monochromacy



Original Color

31.2810, 10.1750, 19.3510

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.3690, 3.5750, 6.7990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.2810, 10.1750, 19.3510 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(53, 16, 53)` looks like.

```
.text, #text, p{  
    color:rgb(53, 16, 53)  
}
```

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(53, 16, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 16, 53) }
```

Border

The CSS property to change the border of an element to YIQ 31.2810, 10.1750, 19.3510 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(53, 16, 53) }
```


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

```
.border{ border-color:rgb(53, 16, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 16, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 16, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 16, 53);  
box-shadow:4px 4px 4px 4px rgb(53, 16, 53)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.2810, 10.1750, 19.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 16, 53) }
```

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

```
.background{ background-color: rgb(53, 16,  
53) }
```

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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