

Converting Colors

YIQ(31.3190, -44.5730, 42.3950)

Have a look what the booklet for
YIQ(31.3190, -44.5730, 42.3950)
contains.

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Color

**YIQ(31.3190, -44.5730,
42.3950)**

Conversions

Conversions Part 1

Format	Color
Hex	0F1099
RGB	15, 16, 153
RGB Percent	6%, 6%, 60%
CMY	0.9410, 0.9373, 0.4003
CMYK	0.90, 0.90, 0.00, 0.40
HSL	240°, 82%, 33%
HSV	240°, 90%, 60%
XYZ	6.1265, 2.7699, 30.3175
YIQ	31.3190, -44.5730, 42.3950

Conversions

Conversions Part 2

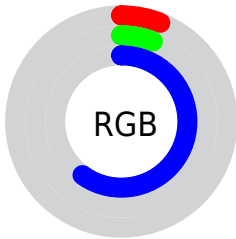
Format	Color
R_{YB}	15, 16, 153
Decimal	987289
CIE _{Lab}	19.10, 49.19, -70.09
CIE _{LCh}	19, 85.627, 305.064
Yxy	2.7699, 0.1562, 0.0706
Android (android.graphics.Color)	4279177369 (0xFF0F1099)
YUV	31.3190, 59.9887, -14.3118
Hunter-Lab	16.6429, 36.5829, -96.3553

Details

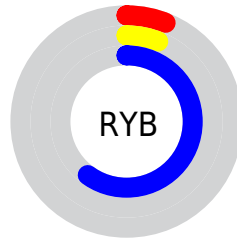
The YIQ color **31.3190, -44.5730, 42.3950** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **136.6810, 44.5730, -42.3950**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.7880, -29.5360, 50.7200**, and **11.4000, -32.1000, 31.1000** is the 20% darker color. If you saturate the color by 10%, you get **18.0290, -49.3880, 47.0600**, and if you desaturate by 10%, it is **44.6090, -39.7580, 37.7300**.

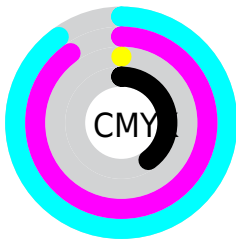
Distribution



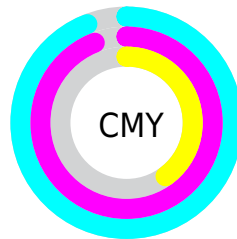
- Red (6%)
- Green (6%)
- Blue (60%)



- Red (6%)
- Yellow (6%)
- Blue (60%)



- Cyan (90%)
- Magenta (90%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (94%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.3190, -44.5730, 42.3950 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 31.3190, -44.5730, 42.3950 by changing the saturation by 10% instead.

■ 31.3190, -44.5730,
42.3950

■ 31.3190, -44.5730,
42.3950

■ 253.8260, 0.5500,
1.0460

■ 14.3640, -40.4460,
39.1860

■ 89.7880, -29.5360,
50.7200

■ 11.4000, -32.1000,
31.1000

■ 117.0380,
-27.2440, 53.2360

■ 12.6590, -26.0000,
19.6640

■ 142.6210,
-21.6960, 51.8080

■ 8.1620, -17.4710,
13.7690

■ 166.5540,
-11.5620, 44.3580

■ 4.4800, -9.8590,
7.9730

■ 191.3730, -1.1070,
36.5970

■ 0.0000, 0.0000,
0.0000

■ 217.0780, 9.6690,

28.5250

■ 236.8030, 8.5250,
16.2130

■ 31.3190, -44.5730,
42.3950

■ 31.3190, -44.5730,
42.3950

■ 18.0290, -49.3880,
47.0600

■ 44.6090, -39.7580,
37.7300

■ 58.1980, -34.3470,
33.2770

■ 72.0750, -29.8070,
28.0890

■ 85.3650, -24.9920,
23.4240

■ 98.9540, -19.5810,
18.9710

■ 112.2440,
-14.7660, 14.3060

■ 125.5340, -9.9510,
9.6410

■ 138.8240, -5.1360,
4.9760

■ 153.0000, 0.0000,
-0.0000

Harmonies

Analogous

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



53.0500, -72.2170, 25.7590



31.3190, -44.5730, 42.3950



47.6930, 39.6950, 57.0630

Triad

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



31.3190, -44.5730, 42.3950



35.4600, 54.7870, 14.8110



45.1260, -36.1260, -17.1020

Complementary

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



31.3190, -44.5730, 42.3950



136.6810, 44.5730, -42.3950

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.



37.5680, -17.6000, -33.4720



31.3190, -44.5730, 42.3950



42.8270, 16.0040, -14.7160

Square

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



31.3190, -44.5730, 42.3950



38.8700, 77.4800, 27.5600



34.6330, -16.2250, -30.8570



52.8950, -56.6240, 1.9680

Rectangle

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



31.3190, -44.5730, 42.3950



48.7000, 64.1800, 48.3400



34.6330, -16.2250, -30.8570



42.0310, -28.7890, -23.4210

Sweetspot

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



31.3190, -44.5730, 42.3950



151.7430, -17.6090, 16.2710



111.5100, -81.6060, -29.8780



71.5340, -9.9510, 9.6410



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000

Same Dimension

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



31.3190, -44.5730, 42.3950



23.2730, -64.1540, 61.3660



50.7650, -4.3660, 57.1220



69.9120, -2.5680, 2.4880



16.5470, -45.2150, 43.0170



1.4820, -4.1730, 4.0430

Inverse Universe

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



56.3760, 81.9270, 29.5670



59.6150, 118.2830, 42.4990



117.2350, 4.3660, -57.1220



71.3920, 4.7680, 1.6960



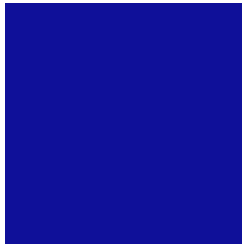
41.9740, 83.1190, 29.9910



3.8870, 7.7480, 2.7560

Previews

White Background



This preview shows how the YIQ color 31.3190, -44.5730, 42.3950 looks on a white background.

Color Contrast Check

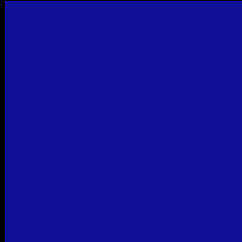
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3190, -44.5730, 42.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

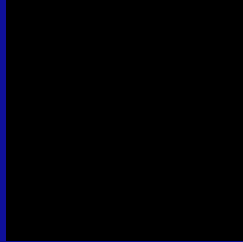
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.3190, -44.5730, 42.3950

Background



This preview shows how black text looks on a background with the YIQ color 31.3190, -44.5730, 42.3950.



This preview shows how white text looks on a background with the YIQ color 31.3190, -44.5730,

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

31.3190, -44.5730, 42.3950

Protanopia

38.0600, -43.7870, 6.1090

Deuteranopia

38.6980, -40.0720, -0.6480



Tritanopia

37.4950, -32.5510, -10.3030

Trichromacy



Original Color

31.3190, -44.5730, 42.3950

Protanomaly

35.3780, -44.2020, 19.1420

Deuteranomaly

36.1130, -42.1380, 14.7740

Tritanomaly

35.3490, -37.2310, 8.4410

Monochromacy



Original Color

31.3190, -44.5730, 42.3950

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.2870, -16.3250, 15.0270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.3190, -44.5730, 42.3950 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(15, 16, 153)` looks like.

```
.text, #text, p{  
    color:rgb(15, 16, 153)  
}
```

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(15, 16, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 16, 153) }
```

Border

The CSS property to change the border of an element to YIQ 31.3190, -44.5730, 42.3950 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(15, 16, 153) }
```


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

```
.border{ border-color:rgb(15, 16, 153) }
```

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

Here you see how a box with a 4 pixel rgb(15, 16, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 16, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 16, 153);  
box-shadow:4px 4px 4px 4px rgb(15, 16,  
153) }
```

Background

The CSS property to change the background color of an element to YIQ 31.3190, -44.5730, 42.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 16, 153) }
```

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

```
.background{ background-color: rgb(15, 16,  
153) }
```

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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