

Converting Colors

YIQ(31.9170, -68.6030, 70.4130)

Have a look what the booklet for
YIQ(31.9170, -68.6030, 70.4130)
contains.

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Color

**YIQ(31.9170, -68.6030,
70.4130)**

Conversions

Conversions Part 1

Format	Color
Hex	0A05E4
RGB	10, 5, 228
RGB Percent	4%, 2%, 89%
CMY	0.9604, 0.9805, 0.1063
CMYK	0.96, 0.98, 0.00, 0.11
HSL	241°, 96%, 46%
HSV	241°, 98%, 89%
XYZ	14.1677, 5.7684, 73.6829
YIQ	31.9170, -68.6030, 70.4130

Conversions

Conversions Part 2

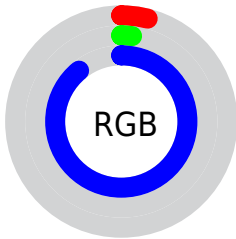
Format	Color
R _Y B	10, 5, 228
Decimal	656868
CIE Lab	28.82, 71.92, -98.31
CIE LCh	29, 121.809, 306.186
Yxy	5.7684, 0.1513, 0.0616
Android (android.graphics.Color)	4278846948 (0xFF0A05E4)
YUV	31.9170, 96.6689, -19.2212
Hunter-Lab	24.0175, 63.2650, -165.0823

Details

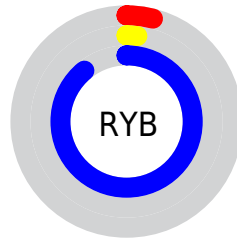
The YIQ color **31.9170, -68.6030, 70.4130** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **201.0830, 68.6030, -70.4130**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **103.9580, -32.2900, 67.5980**, and **19.4940, -54.8910, 53.1810** is the 20% darker color. If you saturate the color by 10%, you get **27.4870, -70.2080, 71.9680**, and if you desaturate by 10%, it is **51.9960, -61.8160, 63.0480**.

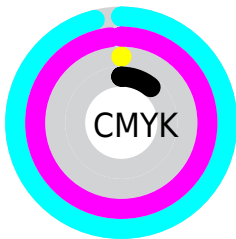
Distribution



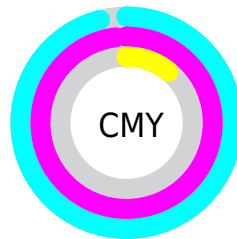
- Red (4%)
- Green (2%)
- Blue (89%)



- Red (4%)
- Yellow (2%)
- Blue (89%)



- Cyan (96%)
- Magenta (98%)
- Yellow (0%)
- Black (11%)



- Cyan (96%)
- Magenta (98%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.9170, -68.6030, 70.4130 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 31.9170, -68.6030, 70.4130 by changing the saturation by 10% instead.

■ 31.9170, -68.6030,
70.4130

■ 31.9170, -68.6030,
70.4130

■ 255.0000, -0.0000,
-0.0000

■ 22.6860, -63.8790,
61.8890

■ 103.9580,
-32.2900, 67.5980

■ 19.4940, -54.8910,
53.1810

■ 129.9730,
-19.4510, 60.6850

■ 16.3020, -45.9030,
44.4730

■ 155.6890, -7.2080,
53.5600

■ 15.5720, -38.3360,
33.9840

■ 181.9920, 4.7600,
45.9120

■ 17.8910, -32.4650,
21.1910

■ 207.9960, 16.1320,
38.0520

■ 11.6330, -23.1110,
16.8650


■ 226.8240, 13.2000,


■ 6.6630, -14.6280,


25.1040


11.8040


 243.8470, 5.2250,
9.9370


 2.9810, -7.0160,
6.0080


 0.0000, 0.0000,
0.0000


 31.9170, -68.6030,
70.4130


 31.9170, -68.6030,
70.4130

 27.4870, -70.2080,
71.9680

 51.9960, -61.8160,
63.0480

 72.3740, -54.4330,
55.8950

 91.8660, -47.3710,
49.0530

 111.9450,
-40.5840, 41.6880

■ 132.0240,
-33.7970, 34.3230

■ 152.4020,
-26.4140, 27.1700

■ 171.8940,
-19.3520, 20.3280

■ 191.9730,
-12.5650, 12.9630

■ 212.0520, -5.7780,
5.5980

Harmonies

Analogous

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



78.3780, -104.9550, 35.3730



31.9170, -68.6030, 70.4130



71.4750, 61.8810, 84.5130

Triad

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



31.9170, -68.6030, 70.4130



48.3170, 80.4150, 23.9270



65.0960, -53.7770, -22.1050

Complementary

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



31.9170, -68.6030, 70.4130



201.0830, 68.6030, -70.4130

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.



53.4170, -25.0250, -47.5930



31.9170, -68.6030, 70.4130



61.9980, 19.5360, -23.6640

Square

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



31.9170, -68.6030, 70.4130



57.1090, 113.8360, 40.4920



51.0690, -23.9250, -45.5010



77.6870, -85.0970, 5.8710

Rectangle

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



31.9170, -68.6030, 70.4130



72.1810, 97.2790, 70.7430



51.0690, -23.9250, -45.5010



60.6330, -42.5880, -32.1560

Sweetspot

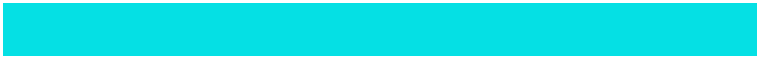
The Sweet Spot groups the original color and five complimentary colors.



31.9170, -68.6030, 70.4130



190.0340, -22.5620, 23.4380



158.9750, -131.8080, -45.1840



88.4290, -13.8490, 14.2070



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



31.9170, -68.6030, 70.4130



30.8640, -78.2790, 80.5770



64.8070, -3.0430, 93.7330



104.6670, -3.2560, 3.9440



21.6020, -55.0750, 56.5170



6.1130, -15.7750, 16.0730

Inverse Universe

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



96.5290, 62.9300, 115.0740



104.6310, 72.0510, 131.4990



168.1930, 3.0430, -93.7330



107.8420, 3.6210, 5.9650



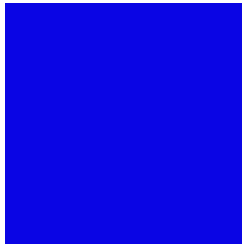
73.3570, 50.8300, 92.0620



20.9490, 14.3460, 26.3620

Previews

White Background



This preview shows how the YIQ color 31.9170, -68.6030, 70.4130 looks on a white background.

Color Contrast Check

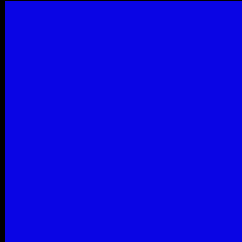
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9170, -68.6030, 70.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

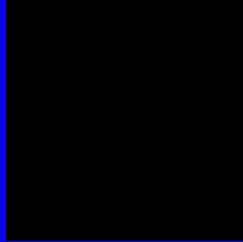
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.9170, -68.6030, 70.4130

Background



This preview shows how black text looks on a background with the YIQ color 31.9170, -68.6030, 70.4130.



This preview shows how white text looks on a background with the YIQ color 31.9170, -68.6030,

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

31.9170, -68.6030, 70.4130

Protanopia

55.2890, -63.3650, 8.4990

Deuteranopia

55.1290, -57.4030, -0.4350



Tritanopia

54.3190, -46.8550, -15.3910

Trichromacy



Original Color

31.9170, -68.6030, 70.4130

Protanomaly

46.6320, -64.9280, 31.3280

Deuteranomaly

46.7970, -61.2590, 25.4050

Tritanomaly

46.4090, -54.6550, 15.8490

Monochromacy



Original Color

31.9170, -68.6030, 70.4130

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

31.8320, -24.8090, 25.6150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.9170, -68.6030, 70.4130 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(10, 5, 228)` looks like.

```
.text, #text, p{  
    color:rgb(10, 5, 228)  
}
```

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(10, 5, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 5, 228) }
```

Border

The CSS property to change the border of an element to YIQ 31.9170, -68.6030, 70.4130 is called "border". The border property can be set on classes, ids or directly on the HTML element.

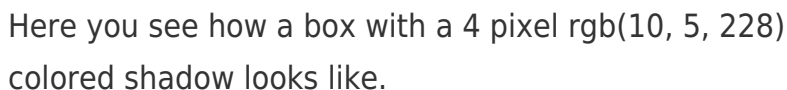
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 5, 228) }
```


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

```
.border{ border-color:rgb(10, 5, 228) }
```

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



Here you see how a box with a 4 pixel rgb(10, 5, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 5, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 5, 228);  
box-shadow:4px 4px 4px 4px rgb(10, 5, 228)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.9170, -68.6030, 70.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 5, 228) }
```

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

```
.background{ background-color: rgb(10, 5,  
228) }
```

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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