

Converting Colors

YIQ(31.2100, -18.5670,
-10.4310)

Have a look what the booklet for
YIQ(31.2100, -18.5670, -10.4310)
contains.

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Color

**YIQ(31.2100, -18.5670,
-10.4310)**

Conversions

Conversions Part 1

Format	Color
Hex	072B22
RGB	7, 43, 34
RGB Percent	3%, 17%, 13%
CMY	0.9726, 0.8313, 0.8667
CMYK	0.84, 0.00, 0.21, 0.83
HSL	165°, 72%, 10%
HSV	165°, 84%, 17%
XYZ	1.2402, 1.8893, 1.8114
YIQ	31.2100, -18.5670, -10.4310

Conversions

Conversions Part 2

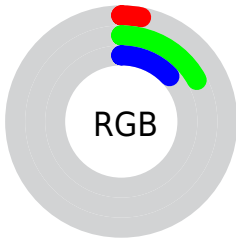
Format	Color
R_YB	7, 28, 43
Decimal	469794
CIE Lab	14.90, -15.45, 2.21
CIE LCh	15, 15.612, 171.857
Yxy	1.8893, 0.2510, 0.3824
Android (android.graphics.Color)	4278659874 (0xFF072B22)
YUV	31.2100, 1.3755, -21.2322
Hunter-Lab	13.7451, -7.9475, 1.8081

Details

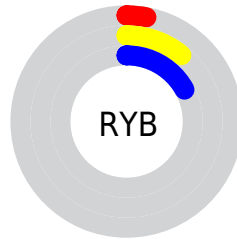
The YIQ color **31.2100, -18.5670, -10.4310** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18.7900, 18.5670, 10.4310**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **77.2810, -17.3290, -10.8410**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **29.9000, -20.6300, -11.5900**, and if you desaturate by 10%, it is **32.5200, -16.5040, -9.2720**.

Distribution



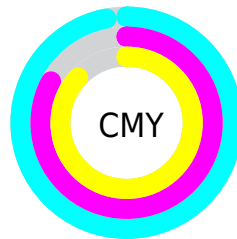
- Red (3%)
- Green (17%)
- Blue (13%)



- Red (3%)
- Yellow (11%)
- Blue (17%)



- Cyan (84%)
- Magenta (0%)
- Yellow (21%)
- Black (83%)



- Cyan (97%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.2100, -18.5670, -10.4310 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 31.2100, -18.5670, -10.4310 by changing the saturation by 10% instead.

■ 31.2100, -18.5670,
-10.4310

■ 31.2100, -18.5670,
-10.4310

■ 249.6180,
-10.7280, -3.8160

■ 15.4560, -10.4520,
-8.8200

■ 77.2810, -17.3290,
-10.8410

■ 0.0000, 0.0000,
0.0000

■ 101.2810,
-17.3290, -10.8410

■ 126.5690,
-18.2000, -11.5760


■ 152.5690,
-18.2000, -11.5760


■ 179.8570,
-19.0710, -12.3110


■ 206.8570,


-19.0710, -12.3110


 235.4440,
-19.3460, -12.8340


 31.2100, -18.5670,
-10.4310


 31.2100, -18.5670,
-10.4310


 29.9000, -20.6300,
-11.5900


 32.5200, -16.5040,
-9.2720

 28.8890, -22.0970,
-12.5370

 34.1290, -13.8450,
-7.9010

 35.4390, -11.7820,
-6.7420

 36.7490, -9.7190,
-5.5830

 38.0590, -7.6560,
-4.4240

■ 39.6680, -4.9970,
-3.0530

■ 41.0920, -3.2550,
-1.5830

■ 42.4020, -1.1920,
-0.4240

■ 44.0110, 1.4670,
0.9470

Harmonies

Analogous

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



34.4520, -4.6290, -9.7250



31.2100, -18.5670, -10.4310



30.3710, -26.2700, -8.4940

Triad

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



31.2100, -18.5670, -10.4310



37.9100, -8.2540, 6.4180



37.6230, 17.2390, 1.4550

Complementary

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



31.2100, -18.5670, -10.4310



18.7900, 18.5670, 10.4310

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.



38.0840, 17.5590, 6.6710



31.2100, -18.5670, -10.4310



38.9500, 3.4370, 9.3010

Square

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



31.2100, -18.5670, -10.4310



33.8050, -21.3200, 0.9200



38.7400, 12.8360, 9.6680



36.8950, 13.2970, -4.1990

Rectangle

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



31.2100, -18.5670, -10.4310



31.1690, -28.5170, -6.3170



38.7400, 12.8360, 9.6680



37.8620, 18.0640, 3.0240

Sweetspot

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



31.2100, -18.5670, -10.4310



51.4720, -7.3810, -3.9010



31.1220, -3.9400, -16.7080



25.3800, -4.1260, -2.3180



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



31.2100, -18.5670, -10.4310



37.6600, -28.8820, -16.2260



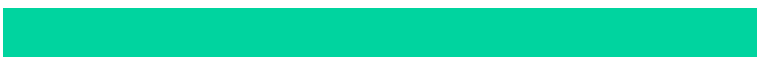
27.5400, -19.2560, -3.4480



19.4020, -1.1920, -0.4240



56.4900, -43.3230, -24.3390



142.5700, -109.3390, -61.4270

Inverse Universe

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



18.7900, 18.5670, 10.4310



18.3400, 28.8820, 16.2260



22.4600, 19.2560, 3.4480



18.7120, 0.8710, 0.7350



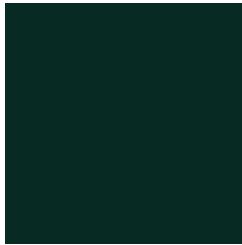
27.5100, 43.3230, 24.3390



69.4300, 109.3390, 61.4270

Previews

White Background



This preview shows how the YIQ color 31.2100, -18.5670, -10.4310 looks on a white background.

Color Contrast Check

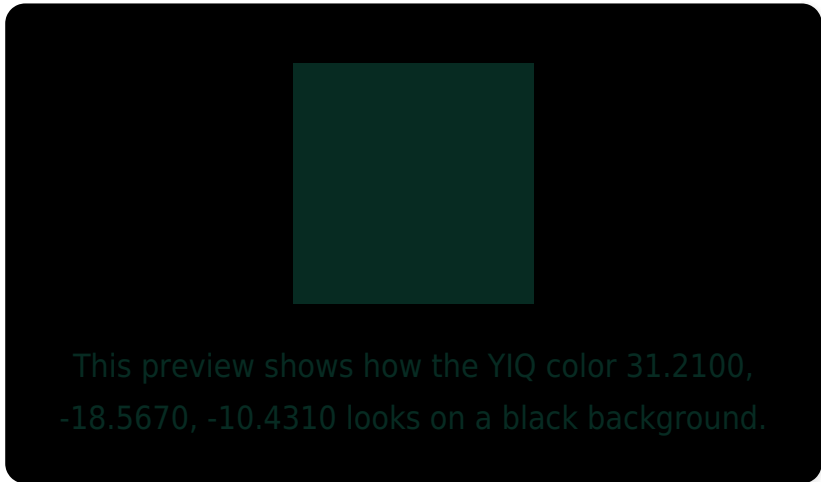
Large Text (above 18pt) WCAG AA ✓ Pass

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

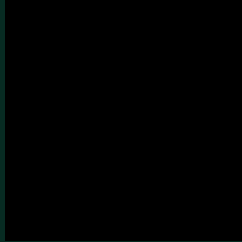
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.2100, -18.5670, -10.4310

Background



This preview shows how black text looks on a background with the YIQ color 31.2100, -18.5670, -10.4310.



This preview shows how white text looks on a background with the YIQ color 31.2100, -18.5670,

-10.4310.

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

31.2100, -18.5670, -10.4310

Protanopia

37.8000, 3.4390, -1.7530

Deuteranopia

37.6800, 3.8970, 0.9610



Tritanopia

34.2690, -17.0550, -4.7910

Trichromacy



Original Color

31.2100, -18.5670, -10.4310

Protanomaly

35.5000, -4.5840, -5.0320

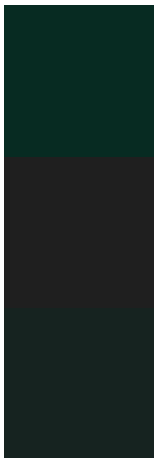
Deuteranomaly

35.5540, -4.6760, -3.3640

Tritanomaly

32.9160, -17.5590, -6.6710

Monochromacy



Original Color

31.2100, -18.5670, -10.4310

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

30.7710, -6.7850, -3.6890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.2100, -18.5670, -10.4310 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(7, 43, 34)` looks like.

```
.text, #text, p{  
    color:rgb(7, 43, 34)  
}
```

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(7, 43, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 43, 34) }
```

Border

The CSS property to change the border of an element to YIQ 31.2100, -18.5670, -10.4310 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(7, 43, 34) }
```


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

```
.border{ border-color:rgb(7, 43, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 43, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 43, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 43, 34); box-shadow:4px  
4px 4px 4px rgb(7, 43, 34) }
```

Background

The CSS property to change the background color of an element to YIQ 31.2100, -18.5670, -10.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 43, 34) }
```

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

```
.background{ background-color: rgb(7, 43,  
34) }
```

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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