

# Converting Colors

YIQ(31.9070, -4.1720, -1.4840)

Have a look what the booklet for  
YIQ(31.9070, -4.1720, -1.4840)  
contains.

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# Color

**YIQ(31.9070, -4.1720,  
-1.4840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B2222
RGB	27, 34, 34
RGB Percent	11%, 13%, 13%
CMY	0.8941, 0.8667, 0.8667
CMYK	0.21, 0.00, 0.00, 0.87
HSL	180°, 11%, 12%
HSV	180°, 21%, 13%
XYZ	1.3127, 1.4926, 1.7320
YIQ	31.9070, -4.1720, -1.4840

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 31, 34
Decimal	1778210
CIE Lab	12.56, -3.15, -1.06
CIE LCh	13, 3.319, 198.536
Yxy	1.4926, 0.2893, 0.3290
Android (android.graphics.Color)	4279968290 (0xFF1B2222)
YUV	31.9070, 1.0318, -4.3034
Hunter-Lab	12.2174, -2.2020, 0.1470

# Details

The YIQ color **31.9070, -4.1720, -1.4840** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29.0930, 4.1720, 1.4840**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **75.6080, -4.7680, -1.6960**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.0100, -5.9600, -2.1200**, and if you desaturate by 10%, it is **32.8040, -2.3840, -0.8480**.

# Distribution



Red (11%)

Green (13%)

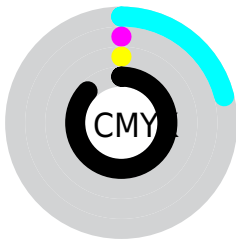
Blue (13%)



Red (11%)

Yellow (12%)

Blue (13%)



Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (87%)



Cyan (89%)

Magenta (87%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 31.9070, -4.1720, -1.4840 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 31.9070, -4.1720, -1.4840 by changing the saturation by 10% instead.



■ 31.9070, -4.1720,  
-1.4840

■ 31.9070, -4.1720,  
-1.4840

■ 255.0000, -0.0000,  
-0.0000

■ 8.4120, -7.1520,  
-2.5440

■ 75.6080, -4.7680,  
-1.6960

■ 0.0000, 0.0000,  
0.0000

■ 99.6080, -4.7680,  
-1.6960

■ 124.6080, -4.7680,  
-1.6960

■ 150.3090, -5.3640,  
-1.9080

■ 177.3090, -5.3640,  
-1.9080

■ 204.3090, -5.3640,

-1.9080

■ 232.8960, -5.6390,  
-2.4310

■ 31.9070, -4.1720,  
-1.4840

■ 31.9070, -4.1720,  
-1.4840

■ 31.0100, -5.9600,  
-2.1200

■ 32.8040, -2.3840,  
-0.8480

■ 29.8140, -8.3440,  
-2.9680

■ 34.0000, -0.0000,  
0.0000

■ 28.9170, -10.1320,  
-3.6040

■ 34.8970, 1.7880,  
0.6360

■ 27.7210, -12.5160,  
-4.4520

■ 36.0930, 4.1720,  
1.4840

■ 26.8240, -14.3040,  
-5.0880

■ 36.9900, 5.9600,  
2.1200

■ 25.9270, -16.0920,  
-5.7240

■ 37.8870, 7.7480,  
2.7560

■ 24.7310, -18.4760,  
-6.5720

■ 39.0830, 10.1320,  
3.6040

■ 23.8340, -20.2640,  
-7.2080

■ 39.9800, 11.9200,  
4.2400

■ 41.1760, 14.3040,  
5.0880

# Harmonies

## Analogous

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



31.9780, -2.9340, -1.8940



31.9070, -4.1720, -1.4840



32.1350, -4.8140, -0.8620

# Triad

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



31.9070, -4.1720, -1.4840



33.3530, 0.5040, 1.8800



32.4410, 3.0720, -0.6080

# Complementary

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



31.9070, -4.1720, -1.4840



29.0930, 4.1720, 1.4840

# 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.



33.1530, 3.9430, 0.1270



31.9070, -4.1720, -1.4840



33.1360, 2.6130, 2.2050

# Square

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



31.9070, -4.1720, -1.4840



32.5700, -1.6050, 1.5550



33.0930, 4.1720, 1.4840

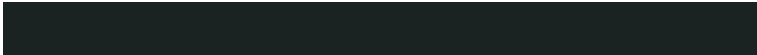


32.4300, 1.6050, -1.5550



# Rectangle

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



31.9070, -4.1720, -1.4840



32.2600, -3.6680, 0.3960



33.0930, 4.1720, 1.4840



32.7400, 3.6680, -0.3960

# Sweetspot

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



31.9070, -4.1720, -1.4840



42.4020, -1.1920, -0.4240



31.1090, -1.9250, -3.6610



22.4020, -1.1920, -0.4240



150.0000, -0.0000, -0.0000



23.0000, 0.0000, -0.0000



# Same Dimension

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



31.9070, -4.1720, -1.4840



40.0100, -5.9600, -2.1200



30.1460, -3.3470, 0.0850



17.4020, -1.1920, -0.4240



57.4820, -48.8720, -17.3840



146.5090, -124.5640, -44.3080



# Inverse Universe

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



29.0930, 4.1720, 1.4840



35.9900, 5.9600, 2.1200



30.8540, 3.3470, -0.0850



16.5980, 1.1920, 0.4240



24.5180, 48.8720, 17.3840

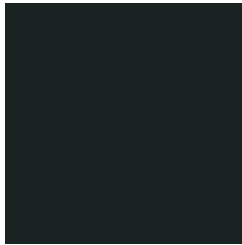


62.4910, 124.5640, 44.3080



# Previews

## White Background



This preview shows how the YIQ color 31.9070, -4.1720, -1.4840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

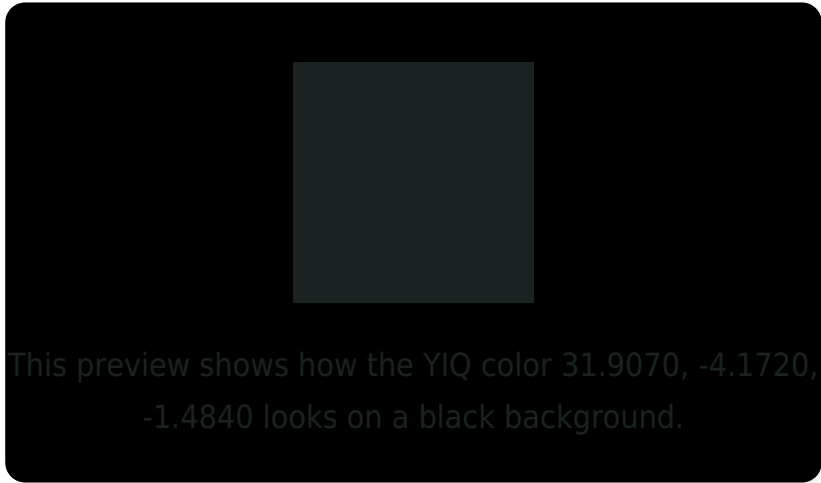
Any Text WCAG AA ✓ Pass

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

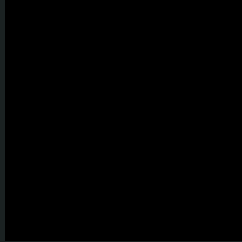
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 31.9070, -4.1720, -1.4840**

## **Background**



This preview shows how black text looks on a background with the YIQ color 31.9070, -4.1720, -1.4840.



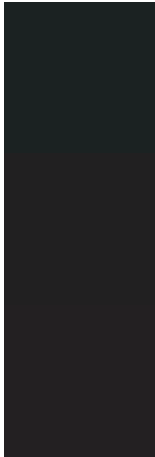
This preview shows how white text looks on a background with the YIQ color 31.9070, -4.1720,

-1.4840.

# 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

31.9070, -4.1720, -1.4840

### Protanopia

32.4130, 0.2750, 0.5230

### Deuteranopia

33.1250, 1.1460, 1.2580



## Tritanopia

32.1350, -4.8140, -0.8620

# Trichromacy



## Original Color

31.9070, -4.1720, -1.4840

## Protanomaly

32.4020, -1.1920, -0.4240

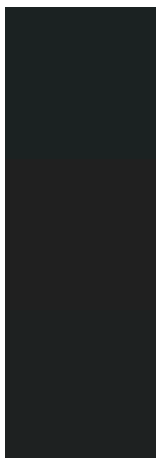
## Deuteranomaly

32.8150, -0.9170, 0.0990

## Tritanomaly

32.0210, -4.4930, -1.1730

# Monochromacy



## Original Color

31.9070, -4.1720, -1.4840

## Achromatopsia

32.0000, -0.0000, -0.0000

## Achromatomaly

32.1030, -1.7880, -0.6360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 31.9070, -4.1720, -1.4840 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(27, 34, 34)` looks like.

```
.text, #text, p{  
    color:rgb(27, 34, 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(27, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 34, 34) }
```

## Border

The CSS property to change the border of an element to YIQ 31.9070, -4.1720, -1.4840 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(27, 34, 34) }
```



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

```
.border{ border-color:rgb(27, 34, 34) }
```

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

Here you see how a box with a 4 pixel rgb(27, 34, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 34, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 34, 34);  
box-shadow:4px 4px 4px 4px rgb(27, 34, 34)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 31.9070, -4.1720, -1.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 34, 34) }
```

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

```
.background{ background-color: rgb(27, 34,  
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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