

Converting Colors

YIQ(31.8050, -4.1250, -7.8450)

Have a look what the booklet for
YIQ(31.8050, -4.1250, -7.8450)
contains.

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Color

**YIQ(31.8050, -4.1250,
-7.8450)**

Conversions

Conversions Part 1

Format	Color
Hex	172617
RGB	23, 38, 23
RGB Percent	9%, 15%, 9%
CMY	0.9098, 0.8510, 0.9098
CMYK	0.40, 0.00, 0.39, 0.85
HSL	120°, 25%, 12%
HSV	120°, 40%, 15%
XYZ	1.2010, 1.6305, 1.0620
YIQ	31.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

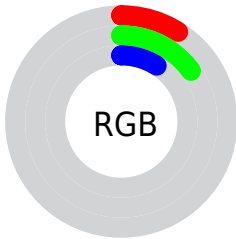
Format	Color
RYB	23, 38, 38
Decimal	1517079
CIELab	13.41, -10.33, 7.98
CIElCh	13, 13.054, 142.295
Yxy	1.6305, 0.3085, 0.4188
Android (android.graphics.Color)	4279707159 (0xFF172617)
YUV	31.8050, -4.3409, -7.7220
Hunter-Lab	12.7691, -5.5566, 4.0074

Details

The YIQ color **31.8050, -4.1250, -7.8450** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **29.1950, 4.1250, 7.8450**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **75.9790, -4.6750, -8.8910**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **30.1530, -5.2250, -9.9370**, and if you desaturate by 10%, it is **33.4570, -3.0250, -5.7530**.

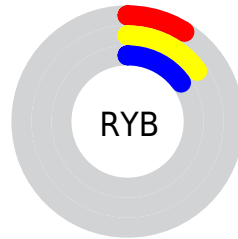
Distribution



Red (9%)

Green (15%)

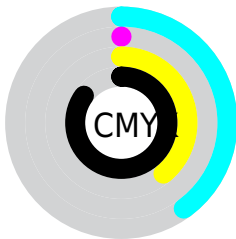
Blue (9%)



Red (9%)

Yellow (15%)

Blue (15%)

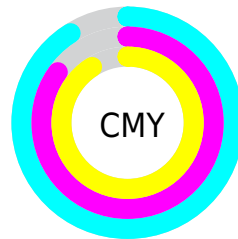


Cyan (40%)

Magenta (0%)

Yellow (39%)

Black (85%)



Cyan (91%)

Magenta (85%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.8050, -4.1250, -7.8450 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 31.8050, -4.1250, -7.8450 by changing the saturation by 10% instead.

■ 31.8050, -4.1250,
-7.8450

■ 31.8050, -4.1250,
-7.8450

■ 252.8210, -1.0540,
-2.9260

■ 10.5660, -4.9500,
-9.4140

■ 75.9790, -4.6750,
-8.8910

■ 0.0000, 0.0000,
0.0000

■ 99.8650, -4.3540,
-9.2020

■ 124.8650, -4.3540,
-9.2020

■ 151.0390, -4.9040,
-10.2480

■ 177.3380, -4.3080,
-10.0360

■ 205.0390, -4.9040,

-10.2480

■ 233.5120, -4.8580,
-11.0820

■ 31.8050, -4.1250,
-7.8450

■ 31.8050, -4.1250,
-7.8450

■ 30.1530, -5.2250,
-9.9370

■ 33.4570, -3.0250,
-5.7530

■ 28.5010, -6.3250,
-12.0290

■ 35.1090, -1.9250,
-3.6610

■ 27.2620, -7.1500,
-13.5980

■ 36.3480, -1.1000,
-2.0920

■ 25.6100, -8.2500,
-15.6900

■ 38.0000, -0.0000,
-0.0000

■ 23.9580, -9.3500,
-17.7820

■ 39.6520, 1.1000,
2.0920

■ 22.3060, -10.4500,
-19.8740

■ 41.3040, 2.2000,
4.1840

■ 42.9560, 3.3000,
6.2760

■ 44.1950, 4.1250,
7.8450

■ 45.8470, 5.2250,
9.9370

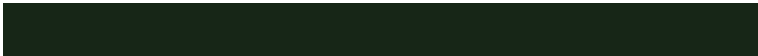
Harmonies

Analogous

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



33.2360, 4.9070, -6.3330



31.8050, -4.1250, -7.8450



29.8300, -14.4410, -8.1130

Triad

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



31.8050, -4.1250, -7.8450



32.1430, -16.4600, 0.9480



35.1760, 14.3040, 5.0880

Complementary

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



31.8050, -4.1250, -7.8450



29.1950, 4.1250, 7.8450

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.



35.6040, 10.2230, 7.4630



31.8050, -4.1250, -7.8450



34.7530, -6.3740, 5.3860

Square

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



31.8050, -4.1250, -7.8450



28.6750, -24.0700, -4.3100



36.0100, 3.2080, 7.9440



34.5410, 14.5340, 0.9180

Rectangle

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



31.8050, -4.1250, -7.8450



28.4210, -20.5390, -7.7310



36.0100, 3.2080, 7.9440



34.9310, 13.6160, 6.5440

Sweetspot

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



31.8050, -4.1250, -7.8450



45.9350, -1.3750, -2.6150



36.2900, 4.8150, -4.6650



24.3480, -1.1000, -2.0920



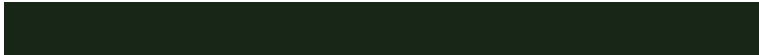
153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000

Same Dimension

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



31.8050, -4.1250, -7.8450



38.9140, -6.0500, -11.5060



32.6030, -6.3720, -5.6680



17.1740, -0.5500, -1.0460



48.1340, -22.5500, -42.8860



122.6830, -57.4750, -109.3070

Inverse Universe

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



29.1950, 4.1250, 7.8450



35.0860, 6.0500, 11.5060



28.2830, 6.6930, 5.3570



16.8260, 0.5500, 1.0460



33.8660, 22.5500, 42.8860



86.3170, 57.4750, 109.3070

Previews

White Background



This preview shows how the YIQ color 31.8050, -4.1250, -7.8450 looks on a white background.

Color Contrast Check

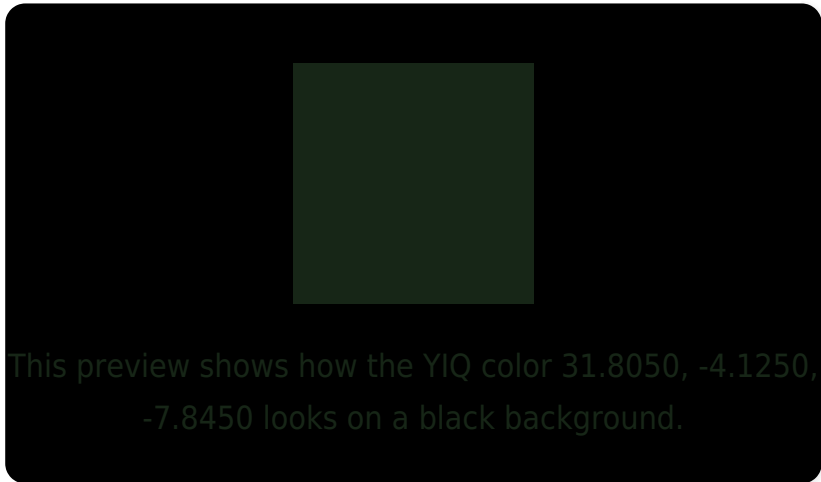
Large Text (above 18pt) WCAG AA ✓ Pass

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

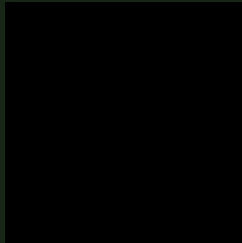
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.8050, -4.1250, -7.8450

Background



This preview shows how black text looks on a background with the YIQ color 31.8050, -4.1250, -7.8450.



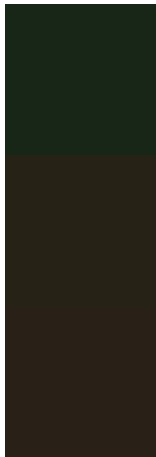
This preview shows how white text looks on a background with the YIQ color 31.8050, -4.1250, -7.8450.

-7.8450.

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

31.8050, -4.1250, -7.8450

Protanopia

33.8280, 6.2360, -2.8840

Deuteranopia

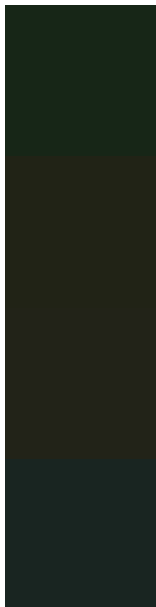
34.3660, 7.6570, -1.1030



Tritanopia

33.3520, -6.9230, -1.1870

Trichromacy



Original Color

31.8050, -4.1250, -7.8450

Protanomaly

32.9200, 2.9810, -4.4670

Deuteranomaly

33.4470, 2.9350, -3.6330

Tritanomaly

32.9560, -5.8680, -3.7880

Monochromacy



Original Color

31.8050, -4.1250, -7.8450

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

31.9350, -1.3750, -2.6150

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.8050, -4.1250, -7.8450 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(23, 38, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 38, 23)  
}
```

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(23, 38, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 38, 23) }
```

Border

The CSS property to change the border of an element to YIQ 31.8050, -4.1250, -7.8450 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(23, 38, 23) }
```


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

```
.border{ border-color:rgb(23, 38, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 38, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 38, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 38, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 38, 23)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.8050, -4.1250, -7.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 38, 23) }
```

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

```
.background{ background-color: rgb(23, 38,  
23) }
```

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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