

# Converting Colors

YIQ(61.1940, -21.6380,  
-15.3500)

Have a look what the booklet for  
YIQ(61.1940, -21.6380, -15.3500)  
contains.

|  |    |
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# Color

**YIQ(61.1940, -21.6380,  
-15.3500)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 1F4D3B                      |
| RGB         | 31, 77, 59                  |
| RGB Percent | 12%, 30%, 23%               |
| CMY         | 0.8785, 0.6980, 0.7687      |
| CMYK        | 0.60, 0.00, 0.23, 0.70      |
| HSL         | 156°, 43%, 21%              |
| HSV         | 156°, 60%, 30%              |
| XYZ         | 4.0083, 5.9169, 5.0660      |
| YIQ         | 61.1940, -21.6380, -15.3500 |

# Conversions

## Conversions Part 2

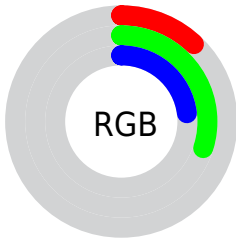
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 31, 60, 77                    |
| Decimal                             | 2051387                       |
| CIE <sub>Lab</sub>                  | 29.20, -20.80, 6.00           |
| CIE <sub>LCh</sub>                  | 29, 21.645, 163.906           |
| Yxy                                 | 5.9169, 0.2674,<br>0.3947     |
| Android<br>(android.graphics.Color) | 4280241467<br>(0xFF1F4D3B)    |
| YUV                                 | 61.1940, -1.0816,<br>-26.4801 |
| Hunter-Lab                          | 24.3246, -13.1540,<br>4.6791  |

# Details

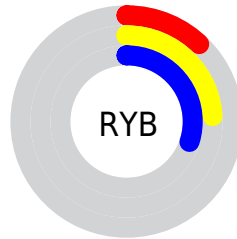
The YIQ color **61.1940, -21.6380, -15.3500** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **46.8060, 21.6380, 15.3500**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **109.9660, -20.9960, -15.9720**, and **21.3090, -14.5320, -11.9720** is the 20% darker color. If you saturate the color by 10%, you get **58.4600, -25.4430, -17.9790**, and if you desaturate by 10%, it is **63.9280, -17.8330, -12.7210**.

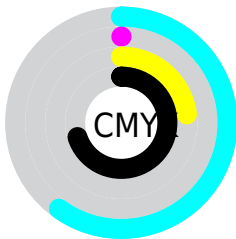
# Distribution



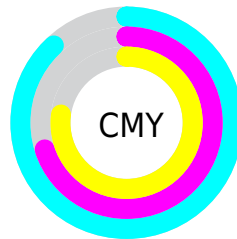
- Red (12%)
- Green (30%)
- Blue (23%)



- Red (12%)
- Yellow (24%)
- Blue (30%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (70%)



- Cyan (88%)
- Magenta (70%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 61.1940, -21.6380, -15.3500 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 61.1940, -21.6380, -15.3500 by changing the saturation by 10% instead.



■ 61.1940, -21.6380,  
-15.3500

■ 61.1940, -21.6380,  
-15.3500

■ 255.0000, -0.0000,  
-0.0000

■ 37.1120, -24.3430,  
-15.8870

■ 109.9660,  
-20.9960, -15.9720

■ 21.3090, -14.5320,  
-11.9720

■ 135.5530,  
-21.2710, -16.4950

■ 0.0000, 0.0000,  
0.0000

■ 162.1400,  
-21.5460, -17.0180

■ 189.4280,  
-22.4170, -17.7530

■ 217.4280,  
-22.4170, -17.7530

■ 240.7320,

-20.2170, -13.5690

250.8140, -8.3440,  
-2.9680

61.1940, -21.6380,  
-15.3500

61.1940, -21.6380,  
-15.3500

58.4600, -25.4430,  
-17.9790

63.9280, -17.8330,  
-12.7210

56.0250, -28.6520,  
-20.3960

66.3630, -14.6240,  
-10.3040

53.2910, -32.4570,  
-23.0250

69.0970, -10.8190,  
-7.6750

50.5570, -36.2620,  
-25.6540

71.8310, -7.0140,  
-5.0460

74.2660, -3.8050,  
-2.6290

■ 77.0000, -0.0000,  
-0.0000

■ 79.7340, 3.8050,  
2.6290

■ 82.4680, 7.6100,  
5.2580

■ 84.9030, 10.8190,  
7.6750

# Harmonies

## Analogous

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



64.8880, -3.1610, -14.3050



61.1940, -21.6380, -15.3500



54.4500, -45.8460, -17.1580

# Triad

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



61.1940, -21.6380, -15.3500



68.4730, -17.1490, 7.9310



69.1790, 27.4170, 4.2250

# Complementary

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



61.1940, -21.6380, -15.3500



46.8060, 21.6380, 15.3500

# 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.



70.1390, 24.8940, 11.4060



61.1940, -21.6380, -15.3500



70.9160, 0.7770, 13.4570

# Square

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



61.1940, -21.6380, -15.3500



61.8400, -37.5960, -1.4680



71.1690, 16.1820, 15.1100



68.3860, 22.1000, -4.0440



# Rectangle

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



61.1940, -21.6380, -15.3500



55.1170, -49.1020, -13.2140



71.1690, 16.1820, 15.1100



69.1730, 27.5540, 7.2500

# Sweetspot

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



61.1940, -21.6380, -15.3500



93.1190, -7.8850, -5.7810



63.3840, -1.9220, -20.2420



47.2550, -5.2720, -3.5760



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



61.1940, -21.6380, -15.3500



74.5790, -33.3280, -23.7600



60.3110, -26.0410, -7.1370



36.6900, -2.0630, -1.1590



66.9420, -47.9520, -34.0640



150.9700, -108.1900, -76.7500



# Inverse Universe

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



46.8060, 21.6380, 15.3500



52.4210, 33.3280, 23.7600



47.6890, 26.0410, 7.1370



35.4240, 1.7420, 1.4700



35.0580, 47.9520, 34.0640



79.0300, 108.1900, 76.7500



# Previews

## White Background



This preview shows how the YIQ color 61.1940, -21.6380, -15.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

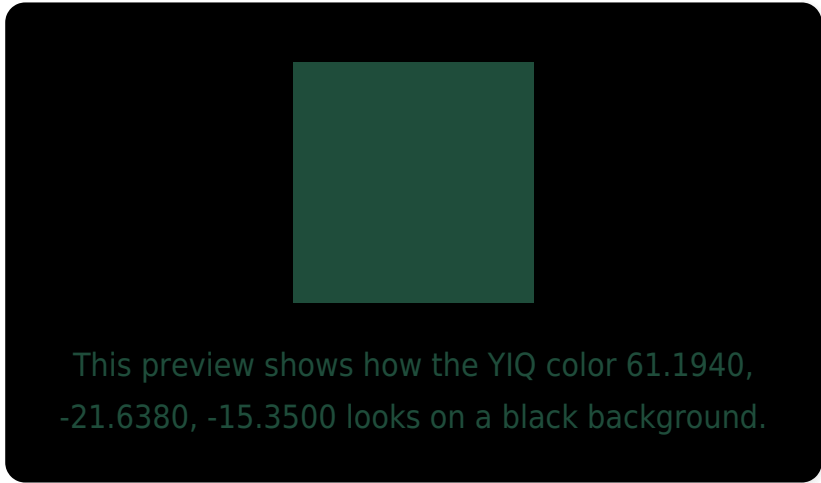
Any Text WCAG AA ✓ Pass

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

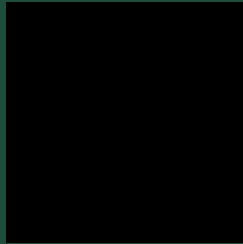
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 61.1940, -21.6380, -15.3500

## Background



This preview shows how black text looks on a background with the YIQ color 61.1940, -21.6380, -15.3500.



This preview shows how white text looks on a background with the YIQ color 61.1940, -21.6380,

-15.3500.

# 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

61.1940, -21.6380, -15.3500

### Protanopia

68.0130, 7.1530, -2.9830

### Deuteranopia

69.0180, 8.7570, 0.9890



## Tritanopia

63.9200, -23.3820, -5.7660

# Trichromacy



## Original Color

61.1940, -21.6380, -15.3500

## Protanomaly

65.4030, -2.9330, -7.4210

## Deuteranomaly

66.1690, -2.1540, -5.0180

## Tritanomaly

62.6980, -22.8770, -9.4130

# Monochromacy



## Original Color

61.1940, -21.6380, -15.3500

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

61.1190, -7.8850, -5.7810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 61.1940, -21.6380, -15.3500 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(31, 77, 59)` looks like.

```
.text, #text, p{  
    color:rgb(31, 77, 59)  
}
```

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(31, 77, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 77, 59) }
```

## Border

The CSS property to change the border of an element to YIQ 61.1940, -21.6380, -15.3500 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(31, 77, 59) }
```



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

```
.border{ border-color:rgb(31, 77, 59) }
```

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

Here you see how a box with a 4 pixel rgb(31, 77, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 77, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 77, 59);  
box-shadow:4px 4px 4px 4px rgb(31, 77, 59)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 61.1940, -21.6380, -15.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 77, 59) }
```

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

```
.background{ background-color: rgb(31, 77,  
59) }
```

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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