

Converting Colors

YIQ(63.9190, -13.6140,
-17.5980)

Have a look what the booklet for
YIQ(63.9190, -13.6140, -17.5980)
contains.

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Color

**YIQ(63.9190, -13.6140,
-17.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	284F31
RGB	40, 79, 49
RGB Percent	16%, 31%, 19%
CMY	0.8432, 0.6901, 0.8079
CMYK	0.49, 0.00, 0.38, 0.69
HSL	134°, 33%, 23%
HSV	134°, 49%, 31%
XYZ	4.2253, 6.2665, 3.8917
YIQ	63.9190, -13.6140, -17.5980

Conversions

Conversions Part 2

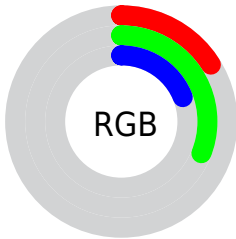
Format	Color
RYB	40, 72, 79
Decimal	2641713
CIELab	30.08, -21.48, 13.56
CIELCh	30, 25.398, 147.733
Yxy	6.2665, 0.2938, 0.4357
Android (android.graphics.Color)	4280831793 (0xFF284F31)
YUV	63.9190, -7.3551, -20.9770
Hunter-Lab	25.0331, -13.6788, 8.3057

Details

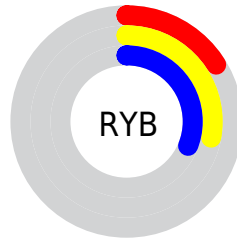
The YIQ color **63.9190, -13.6140, -17.5980** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **55.0810, 13.6140, 17.5980**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **112.8650, -13.5220, -19.2660**, and **20.3000, -10.3130, -16.8490** is the 20% darker color. If you saturate the color by 10%, you get **60.8430, -16.4560, -21.1600**, and if you desaturate by 10%, it is **66.9950, -10.7720, -14.0360**.

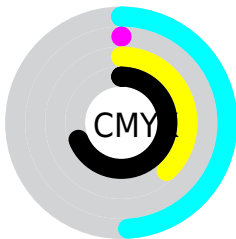
Distribution



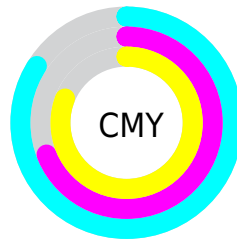
- Red (16%)
- Green (31%)
- Blue (19%)



- Red (16%)
- Yellow (28%)
- Blue (31%)



- Cyan (49%)
- Magenta (0%)
- Yellow (38%)
- Black (69%)



- Cyan (84%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 63.9190, -13.6140, -17.5980 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 63.9190, -13.6140, -17.5980 by changing the saturation by 10% instead.

■ 63.9190, -13.6140,
-17.5980

■ 63.9190, -13.6140,
-17.5980

■ 255.0000, -0.0000,
-0.0000

■ 40.8480, -14.8520,
-17.1880

■ 112.8650,
-13.5220, -19.2660

■ 20.3000, -10.3130,
-16.8490

■ 138.4520,
-13.7970, -19.7890

■ 0.5870, -0.2750,
-0.5230

■ 165.0390,
-14.0720, -20.3120

■ 0.0000, 0.0000,
0.0000

■ 192.0390,
-14.0720, -20.3120

■ 220.2130,
-14.6220, -21.3580

■ 241.7560,

-11.5970, -15.6050

253.5050, -2.9800,
-1.0600

63.9190, -13.6140,
-17.5980

63.9190, -13.6140,
-17.5980

60.8430, -16.4560,
-21.1600

66.9950, -10.7720,
-14.0360

57.7670, -19.2980,
-24.7220

70.0710, -7.9300,
-10.4740

54.6910, -22.1400,
-28.2840

73.1470, -5.0880,
-6.9120

51.6150, -24.9820,
-31.8460

76.2230, -2.2460,
-3.3500

48.5390, -27.8240,
-35.4080

79.0000, -0.0000,
0.0000

■ 48.4250, -27.5030,
-35.7190

■ 82.0760, 2.8420,
3.5620

■ 85.2660, 5.3630,
7.4350

■ 88.3420, 8.2050,
10.9970

■ 91.4180, 11.0470,
14.5590

Harmonies

Analogous

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



67.1510, 6.2840, -14.7720



63.9190, -13.6140, -17.5980



55.4130, -44.4240, -20.9040

Triad

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



63.9190, -13.6140, -17.5980



65.5570, -35.1210, 3.2390



71.3200, 31.6340, 10.4020

Complementary

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



63.9190, -13.6140, -17.5980



55.0810, 13.6140, 17.5980

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.



72.3010, 24.6180, 16.4100



63.9190, -13.6140, -17.5980



71.7560, -10.4560, 13.2880

Square

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



63.9190, -13.6140, -17.5980



57.6420, -54.8340, -8.4500



73.2270, 10.2670, 17.6830



70.3270, 29.7560, 0.3800

Rectangle

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



63.9190, -13.6140, -17.5980



56.8950, -48.5970, -16.8610



73.2270, 10.2670, 17.6830



71.4170, 29.9830, 12.7910

Sweetspot

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



63.9190, -13.6140, -17.5980



96.1470, -5.0880, -6.9120



72.1620, 7.7510, -13.8250



47.5110, -3.1170, -4.0850



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.



63.9190, -13.6140, -17.5980



78.8160, -20.9940, -27.0260



66.0850, -19.7130, -11.6890



36.4620, -1.4210, -1.7810



62.6100, -35.7540, -45.8820



141.0520, -80.2630, -103.8070

Inverse Universe

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



55.0810, 13.6140, 17.5980



65.1840, 20.9940, 27.0260



52.9150, 19.7130, 11.6890



35.5380, 1.4210, 1.7810



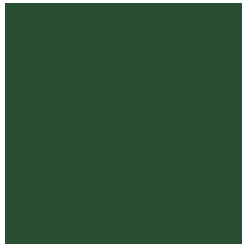
39.3900, 35.7540, 45.8820



88.8340, 80.5840, 103.4960

Previews

White Background



This preview shows how the YIQ color 63.9190, -13.6140, -17.5980 looks on a white background.

Color Contrast Check

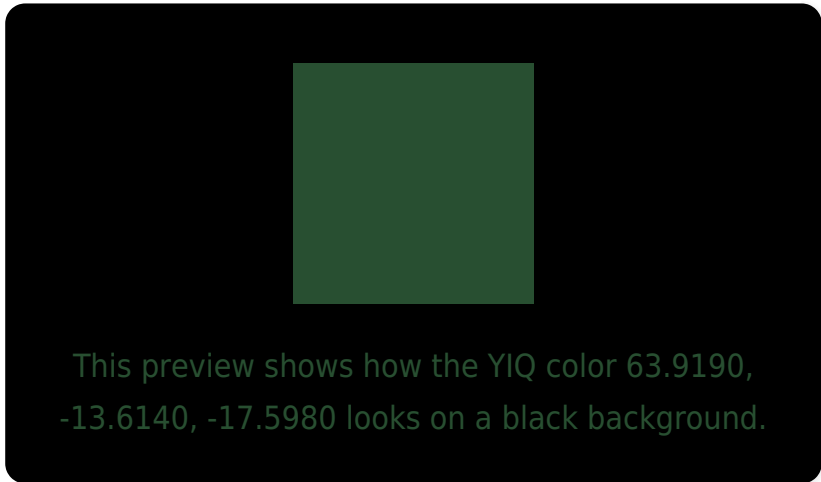
Large Text (above 18pt) WCAG AA ✓ Pass

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

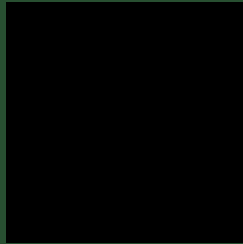
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 63.9190, -13.6140, -17.5980

Background



This preview shows how black text looks on a background with the YIQ color 63.9190, -13.6140, -17.5980.



This preview shows how white text looks on a background with the YIQ color 63.9190, -13.6140,

-17.5980.

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

63.9190, -13.6140, -17.5980

Protanopia

69.9440, 11.6010, -6.5030

Deuteranopia

70.9600, 14.6720, -1.5840



Tritanopia

67.6110, -18.0180, -3.8580

Trichromacy



Original Color

63.9190, -13.6140, -17.5980

Protanomaly

67.9320, 2.7070, -10.5170

Deuteranomaly

68.4100, 4.3570, -7.3790

Tritanomaly

65.9330, -16.2290, -8.7490

Monochromacy



Original Color

63.9190, -13.6140, -17.5980

Achromatopsia

64.0000, -0.0000, -0.0000

Achromatomaly

63.6740, -5.1340, -6.0780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 63.9190, -13.6140, -17.5980 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(40, 79, 49)` looks like.

```
.text, #text, p{  
    color:rgb(40, 79, 49)  
}
```

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(40, 79, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 79, 49) }
```

Border

The CSS property to change the border of an element to YIQ 63.9190, -13.6140, -17.5980 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(40, 79, 49) }
```


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

```
.border{ border-color:rgb(40, 79, 49) }
```

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

Here you see how a box with a 4 pixel rgb(40, 79, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 79, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 79, 49);  
box-shadow:4px 4px 4px 4px rgb(40, 79, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 63.9190, -13.6140, -17.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 79, 49) }
```

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

```
.background{ background-color: rgb(40, 79,  
49) }
```

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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