

Converting Colors

YIQ(66.9860, 19.8100, -17.6140)

Have a look what the booklet for
YIQ(66.9860, 19.8100, -17.6140)
contains.

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Color

**YIQ(66.9860, 19.8100,
-17.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	4B490F
RGB	75, 73, 15
RGB Percent	29%, 29%, 6%
CMY	0.7059, 0.7137, 0.9410
CMYK	0.00, 0.03, 0.80, 0.71
HSL	58°, 67%, 18%
HSV	58°, 80%, 29%
XYZ	5.3700, 6.2951, 1.3852
YIQ	66.9860, 19.8100, -17.6140

Conversions

Conversions Part 2

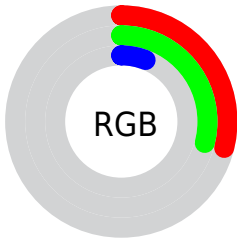
Format	Color
RYB	17, 75, 15
Decimal	4933903
CIELab	30.15, -7.04, 32.87
CIElCh	30, 33.618, 102.092
Yxy	6.2951, 0.4115, 0.4824
Android (android.graphics.Color)	4283123983 (0xFF4B490F)
YUV	66.9860, -25.6291, 7.0283
Hunter-Lab	25.0900, -5.7035, 14.2897

Details

The YIQ color **66.9860, 19.8100, -17.6140** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **23.0140, -19.8100, 17.6140**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.7690, 21.9190, -17.2890**, and **25.9820, 8.4380, -9.7540** is the 20% darker color. If you saturate the color by 10%, you get **66.1880, 22.0570, -19.7910**, and if you desaturate by 10%, it is **67.8980, 17.2420, -15.1260**.

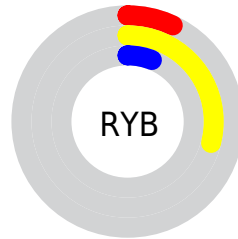
Distribution



 Red (29%)

 Green (29%)

 Blue (6%)



 Red (7%)

 Yellow (29%)

 Blue (6%)

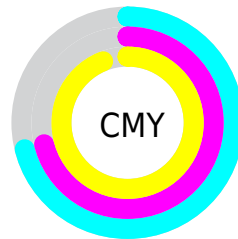


 Cyan (0%)

 Magenta (3%)

 Yellow (80%)

 Black (71%)



 Cyan (71%)

 Magenta (71%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 66.9860, 19.8100, -17.6140 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 66.9860, 19.8100, -17.6140 by changing the saturation by 10% instead.

66.9860, 19.8100,
-17.6140

66.9860, 19.8100,
-17.6140

254.2020, 2.2470,
-2.1770

45.4850, 16.9670,
-15.6490

115.7690, 21.9190,
-17.2890

25.9820, 8.4380,
-9.7540

141.8400, 23.1570,
-17.6990

0.5870, -0.2750,
-0.5230

168.6120, 23.7990,
-18.3210

0.0000, 0.0000,
0.0000

195.7970, 24.7160,
-18.4200

223.9820, 25.6330,
-18.5190

247.7040, 20.5440,

-19.9040

■ 250.8960, 11.5560,
-11.1960

■ 66.9860, 19.8100,
-17.6140

■ 66.9860, 19.8100,
-17.6140

■ 66.1880, 22.0570,
-19.7910

■ 67.8980, 17.2420,
-15.1260

■ 65.2760, 24.6250,
-22.2790

■ 68.6960, 14.9950,
-12.9490

■ 70.1950, 12.1520,
-10.9840

■ 70.9930, 9.9050,
-8.8070

■ 71.9050, 7.3370,
-6.3190

■ 72.7030, 5.0900,
-4.1420

■ 74.2020, 2.2470,
-2.1770

■ 75.0000, -0.0000,
-0.0000

■ 75.9120, -2.5680,
2.4880

Harmonies

Analogous

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



69.0360, 34.7090, -6.7870



66.9860, 19.8100, -17.6140



63.5470, -3.9390, -22.2350

Triad

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



66.9860, 19.8100, -17.6140



60.1040, -56.2550, -10.2310



72.2720, 23.5620, 24.5380

Complementary

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



66.9860, 19.8100, -17.6140



23.0140, -19.8100, 17.6140

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.



73.4740, -0.5540, 21.0620



66.9860, 19.8100, -17.6140



59.5800, -60.2910, -3.1630

Square

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



66.9860, 19.8100, -17.6140



58.5420, -49.1010, -18.7410



67.2570, -33.9760, 10.0240



70.1240, 38.4180, 19.6180

Rectangle

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



66.9860, 19.8100, -17.6140



57.7490, -28.0550, -25.7110



67.2570, -33.9760, 10.0240



72.5640, 16.8680, 24.7080

Sweetspot

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



66.9860, 19.8100, -17.6140



93.7910, 7.6580, -6.6300



33.1680, 35.1180, 13.3420



46.4040, 4.4940, -4.3540



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



66.9860, 19.8100, -17.6140



84.6370, 30.6780, -27.3540



59.7880, 2.5720, -24.5960



37.5440, 1.2840, -1.2440



88.6110, 33.5670, -30.1530



199.0840, 76.0300, -67.3460

Inverse Universe

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



23.0140, -19.8100, 17.6140



16.3630, -30.6780, 27.3540



30.2120, -2.5720, 24.5960



35.0430, -1.5590, 0.7210



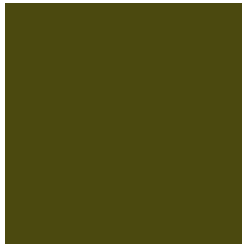
13.3890, -33.5670, 30.1530



30.9160, -76.0300, 67.3460

Previews

White Background



This preview shows how the YIQ color 66.9860, 19.8100, -17.6140 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



This preview shows how the YIQ color 66.9860, 19.8100, -17.6140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

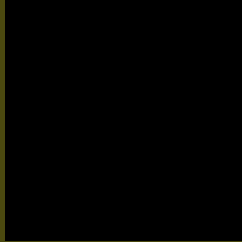
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 66.9860, 19.8100, -17.6140

Background



This preview shows how black text looks on a background with the YIQ color 66.9860, 19.8100, -17.6140.



This preview shows how white text looks on a background with the YIQ color 66.9860, 19.8100, -17.6140.

-17.6140.

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

66.9860, 19.8100, -17.6140

Protanopia

67.3070, 23.3400, -15.5080

Deuteranopia

67.9920, 28.8410, -10.5750



Tritanopia

72.1580, 5.5470, 4.0990

Trichromacy



Original Color

66.9860, 19.8100, -17.6140

Protanomaly

67.2960, 21.8730, -16.4550

Deuteranomaly

67.5570, 25.6320, -12.9920

Tritanomaly

70.3400, 10.5460, -3.9020

Monochromacy



Original Color

66.9860, 19.8100, -17.6140

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

66.9050, 7.3370, -6.3190

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.9860, 19.8100, -17.6140 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(75, 73, 15)` looks like.

```
.text, #text, p{  
    color:rgb(75, 73, 15)  
}
```

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(75, 73, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 73, 15) }
```

Border

The CSS property to change the border of an element to YIQ 66.9860, 19.8100, -17.6140 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(75, 73, 15) }
```


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

```
.border{ border-color:rgb(75, 73, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 73, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 73, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 73, 15);  
box-shadow:4px 4px 4px 4px rgb(75, 73, 15)  
}
```

Background

The CSS property to change the background color of an element to YIQ 66.9860, 19.8100, -17.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 73, 15) }
```

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

```
.background{ background-color: rgb(75, 73,  
15) }
```

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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