

# Converting Colors

YIQ(17.9700, -8.4830, 5.0610)

Have a look what the booklet for  
YIQ(17.9700, -8.4830, 5.0610)  
contains.

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# Color

**YIQ(17.9700, -8.4830,  
5.0610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D1124
RGB	13, 17, 36
RGB Percent	5%, 7%, 14%
CMY	0.9490, 0.9333, 0.8589
CMYK	0.64, 0.53, 0.00, 0.86
HSL	230°, 47%, 10%
HSV	230°, 64%, 14%
XYZ	0.6847, 0.6138, 1.7505
YIQ	17.9700, -8.4830, 5.0610

# Conversions

## Conversions Part 2

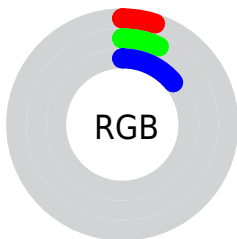
Format	Color
<a href="#">RYB</a>	<a href="#">13, 16, 36</a>
Decimal	<a href="#">856356</a>
CIELab	<a href="#">5.54, 4.15, -13.33</a>
CIELCh	<a href="#">6, 13.962, 287.289</a>
Yxy	<a href="#">0.6138, 0.2246, 0.2013</a>
Android (android.graphics.Color)	<a href="#">4279046436</a> (0xFF0D1124)
YUV	<a href="#">17.9700, 8.8888, -4.3587</a>
Hunter-Lab	<a href="#">7.8347, 1.8894, -7.7627</a>

# Details

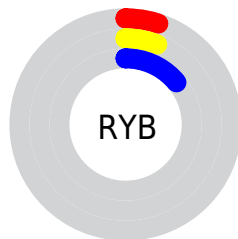
The YIQ color **17.9700, -8.4830, 5.0610** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **31.0300, 8.4830, -5.0610**, and the grayscale version is **18.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **60.6110, -8.8500, 6.2060**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **15.0130, -10.0420, 5.7820**, and if you desaturate by 10%, it is **20.9270, -6.9240, 4.3400**.

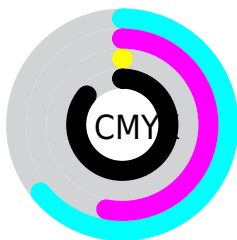
# Distribution



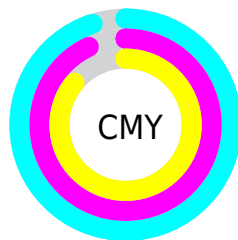
- Red (5%)
- Green (7%)
- Blue (14%)



- Red (5%)
- Yellow (6%)
- Blue (14%)



- Cyan (64%)
- Magenta (53%)
- Yellow (0%)
- Black (86%)



- Cyan (95%)
- Magenta (93%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 17.9700, -8.4830, 5.0610 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 17.9700, -8.4830, 5.0610 by changing the saturation by 10% instead.



■ 17.9700, -8.4830,  
5.0610

■ 17.9700, -8.4830,  
5.0610

■ 241.6990, -6.2820,  
3.7180

■ 2.0690, -4.4480,  
3.5200

■ 60.6110, -8.8500,  
6.2060

■ 0.0000, 0.0000,  
0.0000

■ 83.7250, -9.1710,  
6.5170

■ 108.4260, -9.7670,  
6.3050

■ 133.8390, -9.4920,  
6.8280

■ 159.9530, -9.8130,  
7.1390

■ 187.0670,

-10.1340, 7.4500

■ 214.1810,  
-10.4550, 7.7610

■ 17.9700, -8.4830,  
5.0610

■ 17.9700, -8.4830,  
5.0610

■ 15.0130, -10.0420,  
5.7820

■ 20.9270, -6.9240,  
4.3400

■ 12.3550, -11.0050,  
6.7150

■ 23.5850, -5.9610,  
3.4070

■ 9.3980, -12.5640,  
7.4360

■ 26.5420, -4.4020,  
2.6860

■ 7.6260, -13.2060,  
8.0580

■ 29.2000, -3.4390,  
1.7530

■ 32.1570, -1.8800,  
1.0320

■ 35.1140, -0.3210,  
0.3110

■ 37.7720, 0.6420,  
-0.6220

■ 40.7290, 2.2010,  
-1.3430

■ 43.3870, 3.1640,  
-2.2760

# Harmonies

## Analogous

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



16.4310, -17.3310, 0.2130



17.9700, -8.4830, 5.0610



19.2380, 2.5660, 8.5660

# Triad

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



17.9700, -8.4830, 5.0610



17.5090, 17.5600, 1.1440



15.4560, -10.4520, -8.8200

# Complementary

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



17.9700, -8.4830, 5.0610



31.0300, 8.4830, -5.0610

# 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.



14.1100, -3.6660, -10.6580



17.9700, -8.4830, 5.0610



17.7640, 12.2880, -2.4320

# Square

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



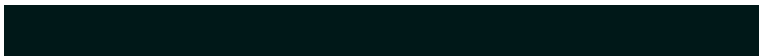
17.9700, -8.4830, 5.0610



17.6000, 16.0460, 6.5580



17.1220, 5.2280, -6.6440



16.8240, -14.3040, -5.0880



# Rectangle

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



17.9700, -8.4830, 5.0610



18.9890, 7.7010, 9.1170



17.1220, 5.2280, -6.6440



14.8860, -8.8470, -10.3750

# Sweetspot

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



17.9700, -8.4830, 5.0610



39.2000, -3.4390, 1.7530



28.6670, -12.4240, -6.1200



19.1570, -1.8800, 1.0320



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.



17.9700, -8.4830, 5.0610



18.5120, -12.8850, 7.7470



17.7150, -3.2110, 8.6370



16.2280, -0.6420, 0.6220



17.5660, -30.1720, 18.1800



44.9580, -76.9890, 46.1710



# Inverse Universe

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



20.3330, 12.4240, 6.1200



22.1490, 18.9340, 9.2860



31.2850, 3.2110, -8.6370



16.5980, 1.1920, 0.4240



26.1140, 44.3780, 21.7380

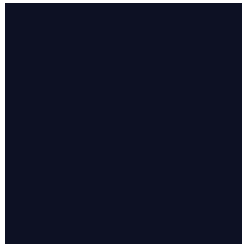


66.5950, 113.0080, 55.5040



# Previews

## White Background



This preview shows how the YIQ color 17.9700, -8.4830, 5.0610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

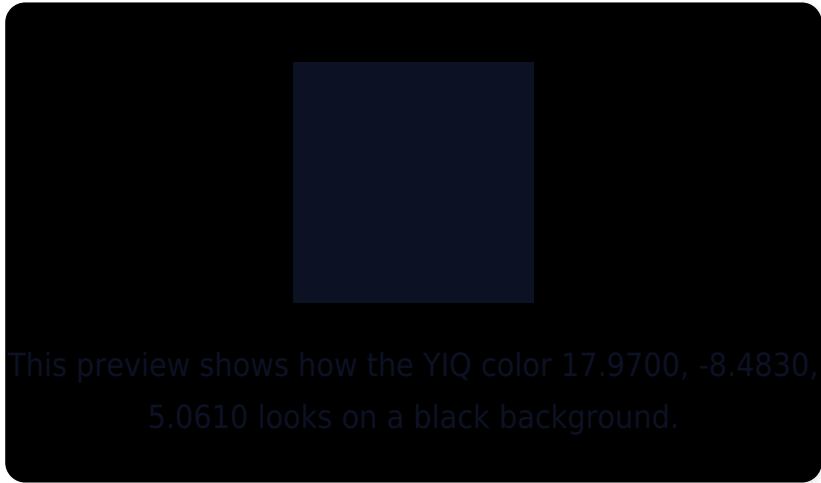
Any Text WCAG AA ✓ Pass

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

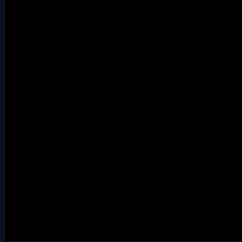
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 17.9700, -8.4830, 5.0610**

## **Background**



This preview shows how black text looks on a background with the YIQ color 17.9700, -8.4830, 5.0610.



This preview shows how white text looks on a background with the YIQ color 17.9700, -8.4830,



# 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

17.9700, -8.4830, 5.0610

### Protanopia

16.5780, -13.2510, 3.3650

### Deuteranopia

14.9150, -15.8180, 0.3260



**Tritanopia**

15.7430, -9.5820, -2.5580

# Trichromacy



## Original Color

17.9700, -8.4830, 5.0610

## Protanomaly

17.4750, -11.4630, 4.0010

## Deuteranomaly

15.9370, -12.8840, 2.2200

## Tritanomaly

16.6230, -9.1240, 0.1560

# Monochromacy



## Original Color

17.9700, -8.4830, 5.0610

## Achromatopsia

18.0000, -0.0000, 0.0000

## Achromatomaly

18.2000, -3.4390, 1.7530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 17.9700, -8.4830, 5.0610 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(13, 17, 36)` looks like.

```
.text, #text, p{  
    color:rgb(13, 17, 36)  
}
```

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(13, 17, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 17, 36) }
```

## Border

The CSS property to change the border of an element to YIQ 17.9700, -8.4830, 5.0610 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(13, 17, 36) }
```



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

```
.border{ border-color:rgb(13, 17, 36) }
```

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

Here you see how a box with a 4 pixel rgb(13, 17, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 17, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 17, 36);  
box-shadow:4px 4px 4px 4px rgb(13, 17, 36)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 17.9700, -8.4830, 5.0610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 17, 36) }
```

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

```
.background{ background-color: rgb(13, 17,  
36) }
```

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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