

# Converting Colors

YIQ(198.7720, 17.8370, -9.3870)

Have a look what the booklet for  
YIQ(198.7720, 17.8370, -9.3870)  
contains.

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# Color

**YIQ(198.7720, 17.8370,  
-9.3870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2C8A3
RGB	210, 200, 163
RGB Percent	82%, 78%, 64%
CMY	0.1765, 0.2157, 0.3607
CMYK	0.00, 0.05, 0.22, 0.18
HSL	47°, 34%, 73%
HSV	47°, 22%, 82%
XYZ	53.8448, 57.6535, 42.9526
YIQ	198.7720, 17.8370, -9.3870

# Conversions

## Conversions Part 2

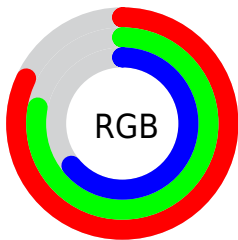
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 210, 163
Decimal	13813923
CIELab	80.55, -2.43, 19.78
CIELCh	81, 19.926, 96.995
Yxy	57.6535, 0.3486, 0.3733
Android (android.graphics.Color)	4292004003 (0xFFD2C8A3)
YUV	198.7720, -17.6356, 9.8470
Hunter-Lab	75.9299, -6.2961, 19.6113

# Details

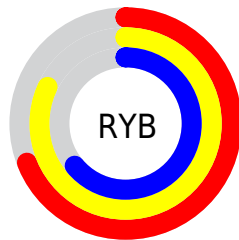
The YIQ color **198.7720, 17.8370, -9.3870** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **174.2280, -17.8370, 9.3870**, and the grayscale version is **199.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **250.7820, 11.8770, -11.5070**, and **144.7010, 16.5990, -8.9770** is the 20% darker color. If you saturate the color by 10%, you get **194.0300, 25.6780, -13.8260**, and if you desaturate by 10%, it is **203.5140, 9.9960, -4.9480**.

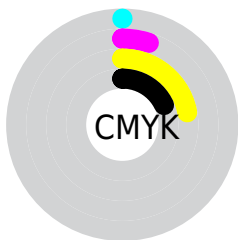
# Distribution



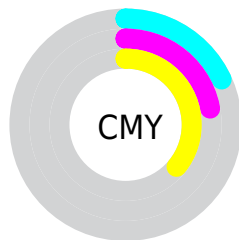
- Red (82%)
- Green (78%)
- Blue (64%)



- Red (69%)
- Yellow (82%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (18%)



- Cyan (18%)
- Magenta (22%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.7720, 17.8370, -9.3870 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 198.7720, 17.8370, -9.3870 by changing the saturation by 10% instead.



■ 198.7720, 17.8370,  
-9.3870

■ 198.7720, 17.8370,  
-9.3870

255.0000, -0.0000,  
-0.0000

■ 171.5870, 16.9200,  
-9.2880

■ 250.7820, 11.8770,  
-11.5070

■ 144.7010, 16.5990,  
-8.9770

■ 254.0880, 2.5680,  
-2.4880

■ 118.9290, 15.9570,  
-8.3550

■ 94.3310, 14.7650,  
-8.7790

■ 70.5590, 14.1230,  
-8.1570

■ 48.0750, 12.6100,  
-8.2700

■ 27.1890, 12.2890,

-7.9590

■ 2.3480, -1.1000,  
-2.0920

■ 0.0000, 0.0000,  
0.0000

■ 198.7720, 17.8370,  
-9.3870

■ 198.7720, 17.8370,  
-9.3870

■ 194.0300, 25.6780,  
-13.8260

■ 203.5140, 9.9960,  
-4.9480

■ 188.7010, 33.7940,  
-17.7420

■ 208.8430, 1.8800,  
-1.0320

■ 183.9590, 41.6350,  
-22.1810

■ 213.5850, -5.9610,  
3.4070

■ 178.6300, 49.7510,  
-26.0970

■ 218.9140,  
-14.0770, 7.3230

■ 173.8880, 57.5920,  
-30.5360

■ 222.1740,  
-17.7450, 7.7190

■ 168.5590, 65.7080,  
-34.4520

■ 225.1090,  
-19.1200, 5.1040

■ 163.8170, 73.5490,  
-38.8910

■ 227.4570,  
-20.2200, 3.0120

■ 159.6450, 79.7850,  
-41.7750

■ 230.3920,  
-21.5950, 0.3970

■ 232.7400,  
-22.6950, -1.6950

# Harmonies

## Analogous

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



200.6750, 28.6560, -1.7120



198.7720, 17.8370, -9.3870



196.8130, 1.4240, -14.8000

# Triad

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



198.7720, 17.8370, -9.3870



193.7270, -39.0160, -8.7760



203.6250, 14.8980, 16.3540

# Complementary

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



198.7720, 17.8370, -9.3870



174.2280, -17.8370, 9.3870

# 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.



202.5890, -2.6160, 14.3760



198.7720, 17.8370, -9.3870



196.0360, -35.2120, -0.6200

# Square

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



198.7720, 17.8370, -9.3870



193.1590, -31.7250, -14.2610



199.6190, -20.4960, 8.0160



203.2750, 27.5070, 13.6110



# Rectangle

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



198.7720, 17.8370, -9.3870



194.8270, -10.3590, -16.0150



199.6190, -20.4960, 8.0160



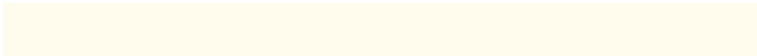
202.9880, 9.4420, 16.1140

# Sweetspot

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



198.7720, 17.8370, -9.3870



250.6000, 6.8780, -3.5060



178.1930, 24.8020, 13.0740



124.9850, 4.3560, -1.8520



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



198.7720, 17.8370, -9.3870



238.3290, 26.2740, -13.6140



200.7550, 7.3390, -17.3730



101.9850, 4.3560, -1.8520



127.7160, 63.8280, -33.4200



31.0430, 15.6360, -8.0440



# Inverse Universe

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



174.2280, -17.8370, 9.3870



202.6710, -26.2740, 13.6140



172.2450, -7.3390, 17.3730



96.4280, -4.0810, 2.3750



40.2840, -63.8280, 33.4200



9.9570, -15.6360, 8.0440



# Previews

## White Background



This preview shows how the YIQ color 198.7720, 17.8370, -9.3870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

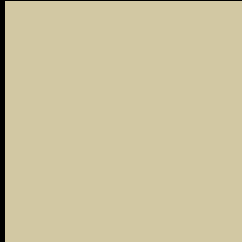
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 198.7720, 17.8370, -9.3870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

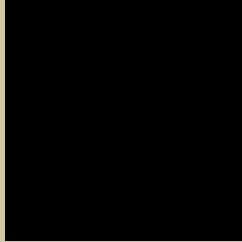
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 198.7720, 17.8370, -9.3870

## Background



This preview shows how black text looks on a background with the YIQ color 198.7720, 17.8370, -9.3870.



This preview shows how white text looks on a background with the YIQ color 198.7720, 17.8370, -9.3870.

-9.3870.

# 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

198.7720, 17.8370, -9.3870

### Protanopia

198.7830, 19.3040, -8.4400

### Deuteranopia

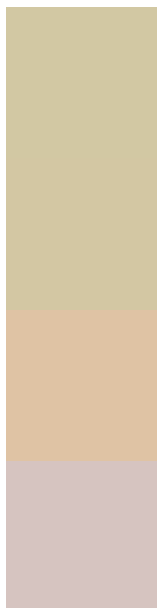
200.5830, 31.9110, -0.1290



## Tritanopia

202.2880, 8.2970, 9.3290

# Trichromacy



## Original Color

198.7720, 17.8370, -9.3870

## Protanomaly

198.4840, 18.7080, -8.6520

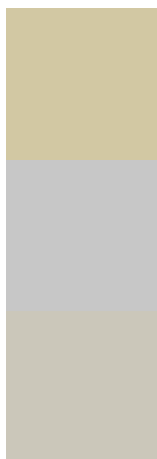
## Deuteranomaly

199.8380, 26.6390, -3.7050

## Tritanomaly

200.9260, 12.0120, 2.5720

# Monochromacy



## Original Color

198.7720, 17.8370, -9.3870

## Achromatopsia

199.0000, -0.0000, 0.0000

## Achromatomaly

198.7140, 6.5570, -3.1950

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.7720, 17.8370, -9.3870 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(210, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(210, 200, 163)  
}
```

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(210, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 200, 163) }
```

## Border

The CSS property to change the border of an element to YIQ 198.7720, 17.8370, -9.3870 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(210, 200, 163) }
```



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

```
.border{ border-color:rgb(210, 200, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 200, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 200, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 200, 163);  
box-shadow:4px 4px 4px 4px rgb(210, 200,  
163) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.7720, 17.8370, -9.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 200, 163) }
```

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

```
.background{ background-color: rgb(210,  
200, 163) }
```

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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