

# Converting Colors

YIQ(212.9870, 10.0420, -5.7820)

Have a look what the booklet for  
YIQ(212.9870, 10.0420, -5.7820)  
contains.

<b>YIQ(212.9870, 10.0420, -5.7820)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(212.9870, 10.0420,  
-5.7820)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBD6C0
RGB	219, 214, 192
RGB Percent	86%, 84%, 75%
CMY	0.1412, 0.1608, 0.2470
CMYK	0.00, 0.02, 0.12, 0.14
HSL	49°, 27%, 81%
HSV	49°, 12%, 86%
XYZ	62.7753, 66.9585, 59.4933
YIQ	212.9870, 10.0420, -5.7820

# Conversions

## Conversions Part 2

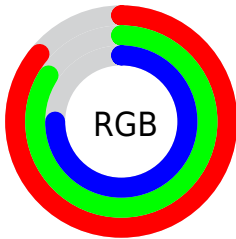
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	198, 219, 192
Decimal	14407360
CIE Lab	85.48, -1.99, 11.47
CIE LCh	85, 11.637, 99.869
Yxy	66.9585, 0.3317, 0.3539
Android (android.graphics.Color)	4292597440 (0xFFD6D6C0)
YUV	212.9870, -10.3466, 5.2734
Hunter-Lab	81.8281, -6.2611, 14.1728

# Details

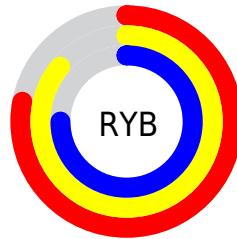
The YIQ color  $212.9870, 10.0420, -5.7820$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $198.0130, -10.0420, 5.7820$ , and the grayscale version is  $213.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $254.2020, 2.2470, -2.1770$ , and  $158.2150, 9.4000, -5.1600$  is the 20% darker color. If you saturate the color by 10%, you get  $208.1310, 18.2040, -10.5320$ , and if you desaturate by 10%, it is  $217.8430, 1.8800, -1.0320$ .

# Distribution



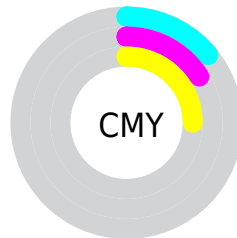
- Red (86%)
- Green (84%)
- Blue (75%)



- Red (78%)
- Yellow (86%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 212.9870, 10.0420, -5.7820 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 212.9870, 10.0420, -5.7820 by changing the saturation by 10% instead.



■ 212.9870, 10.0420,  
-5.7820

■ 212.9870, 10.0420,  
-5.7820

255.0000, -0.0000,  
-0.0000

■ 185.1010, 9.7210,  
-5.4710

■ 254.2020, 2.2470,  
-2.1770

■ 158.2150, 9.4000,  
-5.1600

■ 132.2150, 9.4000,  
-5.1600

■ 107.0300, 8.4830,  
-5.0610

■ 82.7310, 7.8870,  
-5.2730

■ 59.8450, 7.5660,  
-4.9620

■ 37.9590, 7.2450,

-4.6510

■ 17.1440, 8.1620,  
-4.7500

■ 0.0000, 0.0000,  
0.0000

■ 212.9870, 10.0420,  
-5.7820

■ 212.9870, 10.0420,  
-5.7820

■ 208.1310, 18.2040,  
-10.5320

■ 217.8430, 1.8800,  
-1.0320

■ 203.2750, 26.3660,  
-15.2820

■ 222.6990, -6.2820,  
3.7180

■ 198.4190, 34.5280,  
-20.0320

■ 227.2130,  
-13.4810, 7.5350

■ 193.5630, 42.6900,  
-24.7820

■ 229.5610,  
-14.5810, 5.4430

■ 188.8210, 50.5310,  
-29.2210

■ 231.9090,  
-15.6810, 3.3510

■ 183.9650, 58.6930,  
-33.9710

■ 234.2570,  
-16.7810, 1.2590

■ 179.1090, 66.8550,  
-38.7210

■ 236.6050,  
-17.8810, -0.8330

■ 174.2530, 75.0170,  
-43.4710

■ 238.9530,  
-18.9810, -2.9250

■ 169.9670, 81.5740,  
-46.6660

■ 241.8880,  
-20.3560, -5.5400

# Harmonies

## Analogous

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



214.0420, 17.3770, -1.0470



212.9870, 10.0420, -5.7820



211.4310, -0.1360, -8.5520

# Triad

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



212.9870, 10.0420, -5.7820



210.3440, -21.6400, -4.2960



215.7720, 9.8100, 9.4420

# Complementary

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



212.9870, 10.0420, -5.7820



198.0130, -10.0420, 5.7820

# 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.



215.3840, -0.7810, 8.6510



212.9870, 10.0420, -5.7820



212.0610, -19.1650, 0.4110

# Square

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



212.9870, 10.0420, -5.7820



209.7910, -18.7050, -7.9290



213.7140, -10.6380, 5.5700



215.7250, 17.1920, 7.8160



# Rectangle

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



212.9870, 10.0420, -5.7820



210.7830, -7.0590, -9.7390



213.7140, -10.6380, 5.5700



215.9180, 6.4630, 9.5270

# Sweetspot

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



212.9870, 10.0420, -5.7820



252.6860, 3.7600, -2.0640



200.6430, 14.4870, 7.2790



126.0280, 2.7970, -1.1310



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.



212.9870, 10.0420, -5.7820



246.5590, 14.1230, -8.1570



213.5300, 3.8990, -10.0930



107.5720, 4.0810, -2.3750



134.4940, 64.3330, -37.0670



35.4730, 17.2410, -9.5990



# Inverse Universe

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



198.0130, -10.0420, 5.7820



225.4410, -14.1230, 8.1570



197.4700, -3.8990, 10.0930



101.4280, -4.0810, 2.3750



38.5060, -64.3330, 37.0670

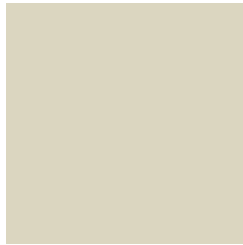


10.5270, -17.2410, 9.5990



# Previews

## White Background



This preview shows how the YIQ color 212.9870, 10.0420, -5.7820 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 212.9870, 10.0420, -5.7820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

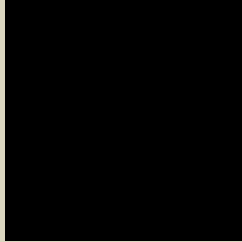
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

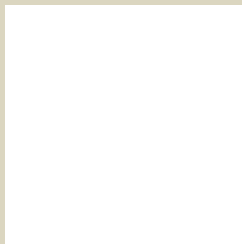
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 212.9870, 10.0420, -5.7820

## Background



This preview shows how black text looks on a background with the YIQ color 212.9870, 10.0420, -5.7820.



This preview shows how white text looks on a background with the YIQ color 212.9870, 10.0420,

-5.7820.

# 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

212.9870, 10.0420, -5.7820

### Protanopia

213.4820, 13.0220, -4.7220

### Deuteranopia

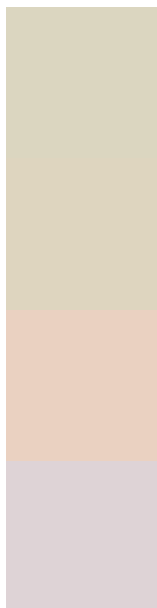
215.3960, 25.3080, 3.9000



## Tritanopia

215.4230, 3.4830, 8.4670

# Trichromacy



## Original Color

212.9870, 10.0420, -5.7820

## Protanomaly

213.1830, 12.4260, -4.9340

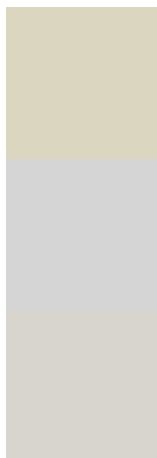
## Deuteranomaly

214.6510, 20.0360, 0.3240

## Tritanomaly

214.6310, 5.5930, 3.2650

# Monochromacy



## Original Color

212.9870, 10.0420, -5.7820

## Achromatopsia

213.0000, -0.0000, 0.0000

## Achromatomaly

212.6860, 3.7600, -2.0640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 212.9870, 10.0420, -5.7820 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(219, 214, 192)` looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 192)  
}
```

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(219, 214, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 192) }
```

## Border

The CSS property to change the border of an element to YIQ 212.9870, 10.0420, -5.7820 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(219, 214, 192) }
```



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

```
.border{ border-color:rgb(219, 214, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 192);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
192) }
```

# Background

The CSS property to change the background color of an element to YIQ 212.9870, 10.0420, -5.7820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 192) }
```

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

```
.background{ background-color: rgb(219,  
214, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor