

# Converting Colors

YIQ(203.9740, 2.8890, -2.7990)

Have a look what the booklet for  
YIQ(203.9740, 2.8890, -2.7990)  
contains.

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# Color

**YIQ(203.9740, 2.8890,  
-2.7990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDCDC4
RGB	205, 205, 196
RGB Percent	80%, 80%, 77%
CMY	0.1961, 0.1961, 0.2313
CMYK	0.00, 0.00, 0.04, 0.20
HSL	60°, 8%, 79%
HSV	60°, 4%, 80%
XYZ	56.9721, 60.6273, 60.9268
YIQ	203.9740, 2.8890, -2.7990

# Conversions

## Conversions Part 2

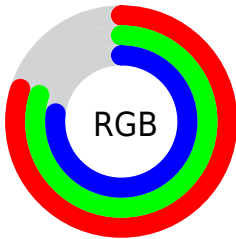
Format	Color
<b>RYB</b>	196, 205, 196
Decimal	13487556
CIELab	82.18, -1.60, 4.46
CIELCh	82, 4.743, 109.752
Yxy	60.6273, 0.3191, 0.3396
Android (android.graphics.Color)	4291677636 (0xFFCDCDC4)
YUV	203.9740, -3.9312, 0.8998
Hunter-Lab	77.8635, -5.6542, 8.1111

# Details

The YIQ color  $203.9740, 2.8890, -2.7990$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $197.0260, -2.8890, 2.7990$ , and the grayscale version is  $204.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $254.7720, 0.6420, -0.6220$ , and  $149.9740, 2.8890, -2.7990$  is the 20% darker color. If you saturate the color by 10%, you get  $201.6940, 9.3090, -9.0190$ , and if you desaturate by 10%, it is  $206.3680, -3.8520, 3.7320$ .

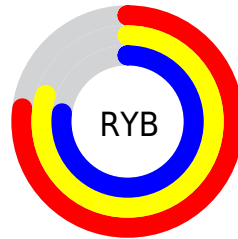
# Distribution



Red (80%)

Green (80%)

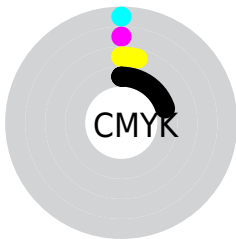
Blue (77%)



Red (77%)

Yellow (80%)

Blue (77%)

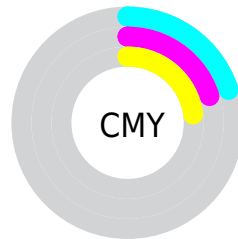


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 203.9740, 2.8890, -2.7990 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 203.9740, 2.8890, -2.7990 by changing the saturation by 10% instead.



■ 203.9740, 2.8890,  
-2.7990

■ 203.9740, 2.8890,  
-2.7990

255.0000, -0.0000,  
-0.0000

■ 176.9740, 2.8890,  
-2.7990

254.7720, 0.6420,  
-0.6220

■ 149.9740, 2.8890,  
-2.7990

■ 124.0880, 2.5680,  
-2.4880

■ 99.0880, 2.5680,  
-2.4880

■ 75.2020, 2.2470,  
-2.1770

■ 52.7890, 1.9720,  
-2.7000

■ 31.3160, 1.9260,

-1.8660

■ 7.6750, 2.2930,  
-3.0110

■ 0.0000, 0.0000,  
0.0000

■ 203.9740, 2.8890,  
-2.7990

■ 203.9740, 2.8890,  
-2.7990

■ 201.6940, 9.3090,  
-9.0190

■ 206.3680, -3.8520,  
3.7320

■ 199.3000, 16.0500,  
-15.5500

■ 208.6480,  
-10.2720, 9.9520

■ 197.0200, 22.4700,  
-21.7700

■ 210.7000,  
-16.0500, 15.5500

■ 194.6260, 29.2110,  
-28.3010

■ 192.3460, 35.6310,  
-34.5210

■ 189.9520, 42.3720,  
-41.0520

■ 187.6720, 48.7920,  
-47.2720

■ 185.2780, 55.5330,  
-53.8030

■ 182.9980, 61.9530,  
-60.0230

# Harmonies

## Analogous

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



204.8820, 6.1440, -1.2160



203.9740, 2.8890, -2.7990



203.4080, -1.3290, -3.4490

# Triad

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



203.9740, 2.8890, -2.7990



203.2810, -8.1610, -0.7770



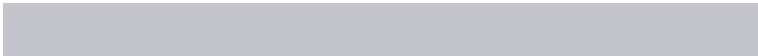
205.7450, 5.2720, 3.5760

# Complementary

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



203.9740, 2.8890, -2.7990



197.0260, -2.8890, 2.7990

# 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.



205.0050, 1.6040, 3.9720



203.9740, 2.8890, -2.7990



203.8190, -6.7400, 1.0040

# Square

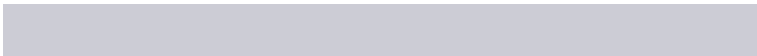
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



203.9740, 2.8890, -2.7990



203.1130, -7.7480, -2.7560



205.0260, -2.8890, 2.7990



205.5880, 7.1520, 2.5440



# Rectangle

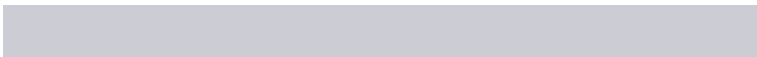
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



203.9740, 2.8890, -2.7990



203.3260, -4.0340, -3.9860



205.0260, -2.8890, 2.7990



205.6740, 4.0340, 3.9860

# Sweetspot

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



203.9740, 2.8890, -2.7990



254.6580, 0.9630, -0.9330



198.6910, 5.3640, 1.9080



127.4730, 0.0460, -0.8340



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.



203.9740, 2.8890, -2.7990



253.5180, 4.1730, -4.0430



202.7780, 0.5050, -3.6470



101.3160, 1.9260, -1.8660



147.0760, 53.2860, -51.6260

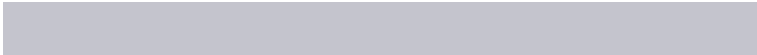


33.6680, 12.1980, -11.8180



# Inverse Universe

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



197.0260, -2.8890, 2.7990



243.4820, -4.1730, 4.0430



198.5210, 0.0910, 3.8590



96.6840, -1.9260, 1.8660



18.9240, -53.2860, 51.6260

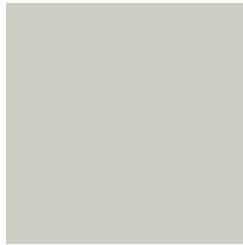


4.3320, -12.1980, 11.8180



# Previews

## White Background



This preview shows how the YIQ color 203.9740, 2.8890, -2.7990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

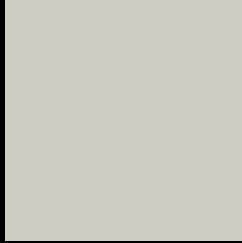
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 203.9740, 2.8890, -2.7990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

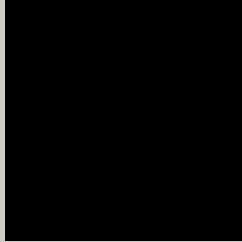
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

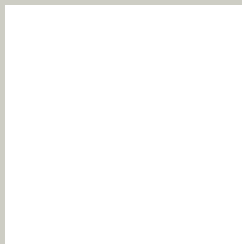
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 203.9740, 2.8890, -2.7990**

## **Background**



This preview shows how black text looks on a background with the YIQ color 203.9740, 2.8890, -2.7990.



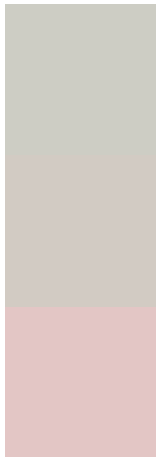
This preview shows how white text looks on a background with the YIQ color 203.9740, 2.8890, -2.7990.

-2.7990.

# 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

203.9740, 2.8890, -2.7990

### Protanopia

204.1810, 6.7400, -1.0040

### Deuteranopia

206.5570, 17.6050, 5.8370



## Tritanopia

205.6180, -1.5600, 6.2480

# Trichromacy



## Original Color

203.9740, 2.8890, -2.7990

## Protanomaly

204.1700, 5.2730, -1.9510

## Deuteranomaly

205.9260, 12.0120, 2.5720

## Tritanomaly

204.9940, 0.1370, 3.0250

# Monochromacy



## Original Color

203.9740, 2.8890, -2.7990

## Achromatopsia

204.0000, -0.0000, -0.0000

## Achromatomaly

203.6580, 0.9630, -0.9330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 203.9740, 2.8890, -2.7990 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(205, 205, 196)` looks like.

```
.text, #text, p{  
    color:rgb(205, 205, 196)  
}
```

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(205, 205, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 205, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 203.9740, 2.8890, -2.7990 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(205, 205, 196) }
```



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

```
.border{ border-color:rgb(205, 205, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 205, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 205, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 205, 196);  
box-shadow:4px 4px 4px 4px rgb(205, 205,  
196) }
```

# Background

The CSS property to change the background color of an element to YIQ 203.9740, 2.8890, -2.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 205, 196) }
```

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

```
.background{ background-color: rgb(205,  
205, 196) }
```

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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