

# Converting Colors

YIQ(202.7890, 1.9720, -2.7000)

Have a look what the booklet for  
YIQ(202.7890, 1.9720, -2.7000)  
contains.

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# Color

**YIQ(202.7890, 1.9720,  
-2.7000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBCCC4
RGB	203, 204, 196
RGB Percent	80%, 80%, 77%
CMY	0.2039, 0.2000, 0.2314
CMYK	0.00, 0.00, 0.04, 0.20
HSL	68°, 7%, 78%
HSV	68°, 4%, 80%
XYZ	56.1853, 59.8679, 60.8211
YIQ	202.7890, 1.9720, -2.7000

# Conversions

## Conversions Part 2

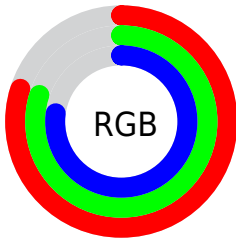
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 204, 197
Decimal	13356228
CIE Lab	81.77, -1.78, 3.85
CIE LCh	82, 4.240, 114.794
Yxy	59.8679, 0.3177, 0.3385
Android (android.graphics.Color)	4291546308 (0xFFCBCCC4)
YUV	202.7890, -3.3470, 0.1850
Hunter-Lab	77.3743, -5.7875, 7.5564

# Details

The YIQ color  $202.7890, 1.9720, -2.7000$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $197.2110, -1.9720, 2.7000$ , and the grayscale version is  $203.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $254.7720, 0.6420, -0.6220$ , and  $148.7890, 1.9720, -2.7000$  is the 20% darker color. If you saturate the color by 10%, you get  $199.6120, 6.6040, -9.5560$ , and if you desaturate by 10%, it is  $205.9660, -2.6600, 4.1560$ .

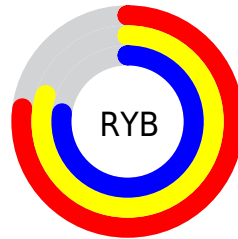
# Distribution



Red (80%)

Green (80%)

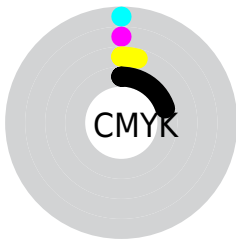
Blue (77%)



Red (77%)

Yellow (80%)

Blue (77%)

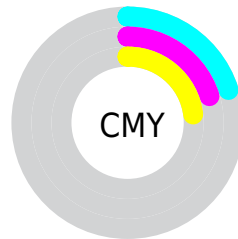


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 202.7890, 1.9720, -2.7000 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 202.7890, 1.9720, -2.7000 by changing the saturation by 10% instead.



■ 202.7890, 1.9720,  
-2.7000

■ 202.7890, 1.9720,  
-2.7000

255.0000, -0.0000,  
-0.0000

■ 175.7890, 1.9720,  
-2.7000

254.7720, 0.6420,  
-0.6220

■ 148.7890, 1.9720,  
-2.7000

■ 122.9030, 1.6510,  
-2.3890

■ 97.9030, 1.6510,  
-2.3890

■ 74.0170, 1.3300,  
-2.0780

■ 51.9030, 1.6510,  
-2.3890

■ 31.0170, 1.3300,

-2.0780

■ 6.1910, 0.7800,  
-3.1240

■ 0.0000, 0.0000,  
0.0000

■ 202.7890, 1.9720,  
-2.7000

■ 202.7890, 1.9720,  
-2.7000

■ 199.6120, 6.6040,  
-9.5560

■ 205.9660, -2.6600,  
4.1560

■ 196.6200, 12.1530,  
-16.5110

■ 208.9580, -8.2090,  
11.1110

■ 193.4430, 16.7850,  
-23.3670

■ 211.9070,  
-12.1990, 17.3450

■ 190.4510, 22.3340,  
-30.3220

■ 212.5050,  
-11.0070, 17.7690

■ 187.2740, 26.9660,  
-37.1780

■ 213.4020, -9.2190,  
18.4050

■ 184.3960, 32.1940,  
-43.8220

■ 214.0000, -8.0270,  
18.8290

■ 181.1050, 37.1470,  
-50.9890

■ 214.8970, -6.2390,  
19.4650

■ 177.9280, 41.7790,  
-57.8450

■ 215.7940, -4.4510,  
20.1010

■ 174.9360, 47.3280,  
-64.8000

■ 216.3920, -3.2590,  
20.5250

# Harmonies

## Analogous

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



203.5830, 5.5480, -1.4280



202.7890, 1.9720, -2.7000



202.2230, -2.2460, -3.3500

# Triad

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



202.7890, 1.9720, -2.7000



202.5800, -7.5650, -0.5650



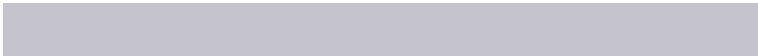
204.3320, 4.9970, 3.0530

# Complementary

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



202.7890, 1.9720, -2.7000



197.2110, -1.9720, 2.7000

# Split Complementary

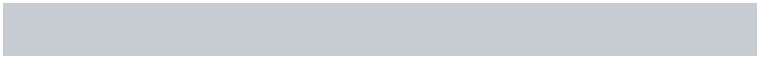
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



203.8910, 1.9250, 3.6610



202.7890, 1.9720, -2.7000



203.3030, -5.2270, 1.1170

# Square

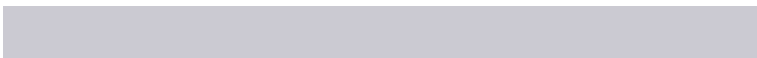
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



202.7890, 1.9720, -2.7000



202.4120, -7.1520, -2.5440



203.2110, -1.9720, 2.7000



204.1750, 6.8770, 2.0210



# Rectangle

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



202.7890, 1.9720, -2.7000



202.4400, -4.3550, -3.6750



203.2110, -1.9720, 2.7000



204.1470, 4.0800, 3.1520

# Sweetspot

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



202.7890, 1.9720, -2.7000



254.6580, 0.9630, -0.9330



198.9790, 4.4930, 1.1730



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.



202.7890, 1.9720, -2.7000



252.9200, 2.9810, -4.4670



201.5930, -0.4120, -3.5480



101.0170, 1.3300, -2.0780



140.7970, 40.7700, -56.0780



32.1730, 9.2180, -12.8780



# Inverse Universe

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



197.2110, -1.9720, 2.7000



244.0800, -2.9810, 4.4670



198.4070, 0.4120, 3.5480



96.9830, -1.3300, 2.0780



25.2030, -40.7700, 56.0780

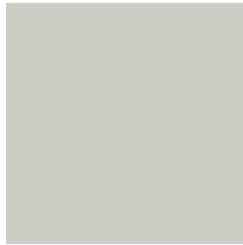


5.8270, -9.2180, 12.8780



# Previews

## White Background



This preview shows how the YIQ color 202.7890, 1.9720, -2.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

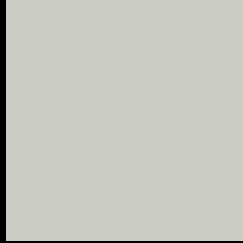
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 202.7890, 1.9720, -2.7000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

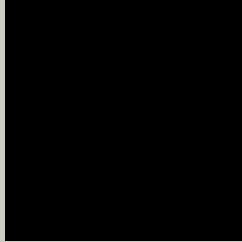
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 202.7890, 1.9720, -2.7000**

## **Background**



This preview shows how black text looks on a background with the YIQ color 202.7890, 1.9720, -2.7000.



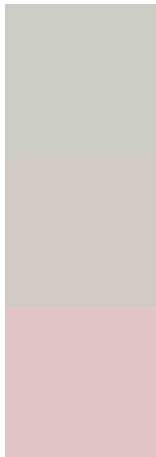
This preview shows how white text looks on a background with the YIQ color 202.7890, 1.9720,

-2.7000.

# 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

202.7890, 1.9720, -2.7000

### Protanopia

203.2950, 6.4190, -0.6930

### Deuteranopia

204.8990, 16.6420, 6.7700



## Tritanopia

204.3190, -2.1560, 6.0360

# Trichromacy



## Original Color

202.7890, 1.9720, -2.7000

## Protanomaly

203.2840, 4.9520, -1.6400

## Deuteranomaly

204.1540, 11.3700, 3.1940

## Tritanomaly

203.6950, -0.4590, 2.8130

# Monochromacy



## Original Color

202.7890, 1.9720, -2.7000

## Achromatopsia

203.0000, 0.0000, -0.0000

## Achromatomaly

202.6580, 0.9630, -0.9330

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 202.7890, 1.9720, -2.7000 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(203, 204, 196)` looks like.

```
.text, #text, p{  
    color:rgb(203, 204, 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(203, 204, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 204, 196) }
```

## Border

The CSS property to change the border of an element to YIQ 202.7890, 1.9720, -2.7000 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(203, 204, 196) }
```



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

```
.border{ border-color:rgb(203, 204, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 204, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 204, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 204, 196);  
box-shadow:4px 4px 4px 4px rgb(203, 204,  
196) }
```

# Background

The CSS property to change the background color of an element to YIQ 202.7890, 1.9720, -2.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 204, 196) }
```

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

```
.background{ background-color: rgb(203,  
204, 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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