

# Converting Colors

YIQ(202.3330, 3.2560, -3.9440)

Have a look what the booklet for  
YIQ(202.3330, 3.2560, -3.9440)  
contains.

<b>YIQ(202.3330, 3.2560, -3.9440)</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(202.3330, 3.2560,  
-3.9440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBCCCC
RGB	203, 204, 192
RGB Percent	80%, 80%, 75%
CMY	0.2039, 0.2000, 0.2470
CMYK	0.00, 0.00, 0.06, 0.20
HSL	65°, 11%, 78%
HSV	65°, 6%, 80%
XYZ	55.7359, 59.6881, 58.4558
YIQ	202.3330, 3.2560, -3.9440

# Conversions

## Conversions Part 2

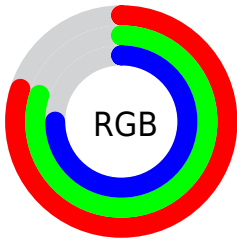
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 204, 193
Decimal	13356224
CIELab	81.67, -2.48, 5.84
CIELCh	82, 6.348, 112.975
Yxy	59.6881, 0.3205, 0.3433
Android (android.graphics.Color)	4291546304 (0xFFCBCCC0)
YUV	202.3330, -5.0942, 0.5850
Hunter-Lab	77.2581, -6.4272, 9.2200

# Details

The YIQ color  $202.3330, 3.2560, -3.9440$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $193.6670, -3.2560, 3.9440$ , and the grayscale version is  $202.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $254.2020, 2.2470, -2.1770$ , and  $148.4470, 2.9350, -3.6330$  is the 20% darker color. If you saturate the color by 10%, you get  $199.4550, 8.4840, -10.5880$ , and if you desaturate by 10%, it is  $205.2110, -1.9720, 2.7000$ .

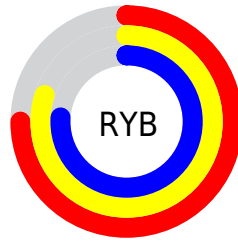
# Distribution



Red (80%)

Green (80%)

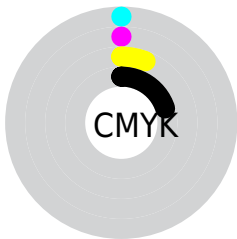
Blue (75%)



Red (75%)

Yellow (80%)

Blue (76%)

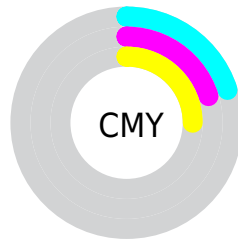


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (20%)



Cyan (20%)

Magenta (20%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 202.3330, 3.2560, -3.9440 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 202.3330, 3.2560, -3.9440 by changing the saturation by 10% instead.



■ 202.3330, 3.2560,  
-3.9440

■ 202.3330, 3.2560,  
-3.9440

255.0000, -0.0000,  
-0.0000

■ 175.3330, 3.2560,  
-3.9440

■ 254.2020, 2.2470,  
-2.1770

■ 148.4470, 2.9350,  
-3.6330

■ 122.4470, 2.9350,  
-3.6330

■ 97.5610, 2.6140,  
-3.3220

■ 73.5610, 2.6140,  
-3.3220

■ 51.5610, 2.6140,  
-3.3220

■ 30.6750, 2.2930,

-3.0110

■ 5.5930, -0.4120,  
-3.5480

■ 0.0000, 0.0000,  
0.0000

■ 202.3330, 3.2560,  
-3.9440

■ 202.3330, 3.2560,  
-3.9440

■ 199.4550, 8.4840,  
-10.5880

■ 205.2110, -1.9720,  
2.7000

■ 196.7620, 14.6290,  
-17.3310

■ 207.9040, -8.1170,  
9.4430

■ 193.8840, 19.8570,  
-23.9750

■ 210.7820,  
-13.3450, 16.0870

■ 190.8920, 25.4060,  
-30.9300

■ 211.6080,  
-12.7950, 17.1330

■ 188.0140, 30.6340,  
-37.5740

■ 212.2060,  
-11.6030, 17.5570

■ 185.4350, 36.4580,  
-44.0060

■ 212.5050,  
-11.0070, 17.7690

■ 182.4430, 42.0070,  
-50.9610

■ 213.1030, -9.8150,  
18.1930

■ 179.5650, 47.2350,  
-57.6050

■ 213.7010, -8.6230,  
18.6170

■ 176.8720, 53.3800,  
-64.3480

■ 214.0000, -8.0270,  
18.8290

# Harmonies

## Analogous

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



203.1380, 8.2990, -1.7250



202.3330, 3.2560, -3.9440



201.8700, -2.7500, -5.2300

# Triad

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



202.3330, 3.2560, -3.9440



201.9000, -11.4620, -1.5260



204.4680, 7.6100, 5.2580

# Complementary

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



202.3330, 3.2560, -3.9440



193.6670, -3.2560, 3.9440

# Split Complementary

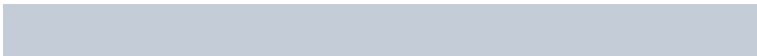
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



204.1300, 2.7500, 5.2300



202.3330, 3.2560, -3.9440



202.8620, -8.2990, 1.7250

# Square

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



202.3330, 3.2560, -3.9440



201.6180, -10.7280, -3.8160



203.6670, -3.2560, 3.9440



204.0830, 10.1320, 3.6040



# Rectangle

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



202.3330, 3.2560, -3.9440



201.0160, -6.0970, -5.1450



203.6670, -3.2560, 3.9440



204.0980, 5.7760, 5.4560

# Sweetspot

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



202.3330, 3.2560, -3.9440



254.4300, 1.6050, -1.5550



196.1750, 6.8770, 2.0210



127.3590, 0.3670, -1.1450



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.



202.3330, 3.2560, -3.9440



252.6490, 5.1820, -5.8100



200.5390, -0.3200, -5.2160



100.7890, 1.9720, -2.7000



142.8900, 44.9420, -54.5940



32.7710, 10.4100, -12.4540



# Inverse Universe

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



193.6670, -3.2560, 3.9440



239.6500, -4.5860, 6.0220



195.4610, 0.3200, 5.2160



95.2110, -1.9720, 2.7000



23.1100, -44.9420, 54.5940



5.2290, -10.4100, 12.4540



# Previews

## White Background



This preview shows how the YIQ color 202.3330, 3.2560, -3.9440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

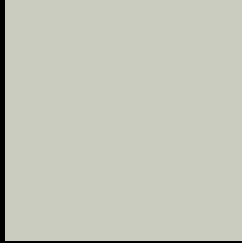
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 202.3330, 3.2560, -3.9440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

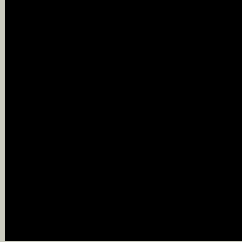
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

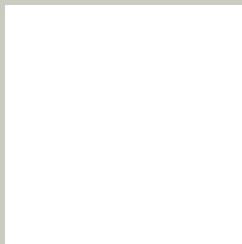
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 202.3330, 3.2560, -3.9440

## Background



This preview shows how black text looks on a background with the YIQ color 202.3330, 3.2560, -3.9440.



This preview shows how white text looks on a background with the YIQ color 202.3330, 3.2560,

-3.9440.

# 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

202.3330, 3.2560, -3.9440

### Protanopia

202.8390, 7.7030, -1.9370

### Deuteranopia

204.7420, 18.5220, 5.7380



## Tritanopia

203.9170, -0.9640, 6.4600

# Trichromacy



## Original Color

202.3330, 3.2560, -3.9440

## Protanomaly

202.8280, 6.2360, -2.8840

## Deuteranomaly

203.9970, 13.2500, 2.1620

## Tritanomaly

203.1790, 1.0540, 2.9260

# Monochromacy



## Original Color

202.3330, 3.2560, -3.9440

## Achromatopsia

202.0000, -0.0000, 0.0000

## Achromatomaly

202.1310, 1.0090, -1.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 202.3330, 3.2560, -3.9440 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(203, 204, 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(203, 204, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 204, 192) }
```

## Border

The CSS property to change the border of an element to YIQ 202.3330, 3.2560, -3.9440 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, 192) }
```



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

```
.border{ border-color:rgb(203, 204, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 204, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 204, 192);  
box-shadow:4px 4px 4px 4px rgb(203, 204,  
192) }
```

# Background

The CSS property to change the background color of an element to YIQ 202.3330, 3.2560, -3.9440 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, 192) }
```

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

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

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