

# Converting Colors

YIQ(93.6500, 21.7770, 7.3210)

Have a look what the booklet for  
YIQ(93.6500, 21.7770, 7.3210)  
contains.

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# Color

**YIQ(93.6500, 21.7770,  
7.3210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	775352
RGB	119, 83, 82
RGB Percent	47%, 33%, 32%
CMY	0.5332, 0.6746, 0.6783
CMYK	0.00, 0.30, 0.31, 0.53
HSL	2°, 18%, 39%
HSV	2°, 31%, 47%
XYZ	12.2267, 10.7172, 9.4113
YIQ	93.6500, 21.7770, 7.3210

# Conversions

## Conversions Part 2

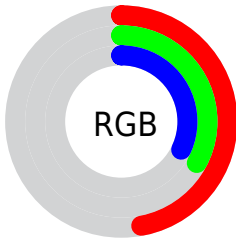
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	119, 83, 82
Decimal	7820114
CIE Lab	39.10, 14.90, 6.57
CIE LCh	39, 16.287, 23.796
Yxy	10.7172, 0.3779, 0.3312
Android (android.graphics.Color)	4286010194 (0xFF775352)
YUV	93.6500, -5.7434, 22.2320
Hunter-Lab	32.7371, 9.3761, 5.8713

# Details

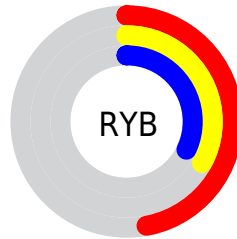
The YIQ color **93.6500, 21.7770, 7.3210** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **107.3500, -21.7770, -7.3210**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.4330, 23.8860, 7.6460**, and **47.1550, 18.7970, 6.2610** is the 20% darker color. If you saturate the color by 10%, you get **85.2380, 28.9290, 9.8650**, and if you desaturate by 10%, it is **102.0620, 14.6250, 4.7770**.

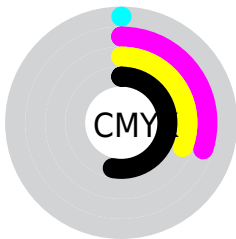
# Distribution



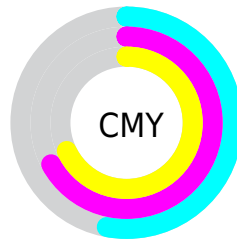
- Red (47%)
- Green (33%)
- Blue (32%)



- Red (47%)
- Yellow (33%)
- Blue (32%)



- Cyan (0%)
- Magenta (30%)
- Yellow (31%)
- Black (53%)



- Cyan (53%)
- Magenta (67%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.6500, 21.7770, 7.3210 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 93.6500, 21.7770, 7.3210 by changing the saturation by 10% instead.



■ 93.6500, 21.7770,  
7.3210

■ 93.6500, 21.7770,  
7.3210

■ 255.0000, -0.0000,  
-0.0000

■ 70.0520, 20.5850,  
6.8970

■ 144.4330, 23.8860,  
7.6460

■ 47.1550, 18.7970,  
6.2610

■ 171.0310, 25.0780,  
8.0700

■ 25.6710, 17.2840,  
6.1480

■ 198.3300, 25.6740,  
8.2820

■ 6.8770, 13.7080,  
4.8760

■ 226.0310, 25.0780,  
8.0700

■ 0.0000, 0.0000,  
0.0000

■ 245.6590, 8.3900,  
2.1340

■ 93.6500, 21.7770,  
7.3210

■ 93.6500, 21.7770,  
7.3210

■ 85.2380, 28.9290,  
9.8650

■ 102.0620, 14.6250,  
4.7770

■ 77.4130, 35.8060,  
11.8860

■ 109.8870, 7.7480,  
2.7560

■ 69.0010, 42.9580,  
14.4300

■ 118.2990, 0.5960,  
0.2120

■ 61.1760, 49.8350,  
16.4510

■ 126.1240, -6.2810,  
-1.8090

■ 52.8780, 56.6660,  
19.3060

■ 134.5360,  
-13.4330, -4.3530

■ 44.4660, 63.8180,  
21.8500

■ 142.8340,  
-20.2640, -7.2080

■ 37.3420, 70.0990,  
23.6590

■ 150.6590,  
-27.1410, -9.2290

■ 159.0710,

-34.2930, -11.7730

■ 166.8960,  
-41.1700, -13.7940

# Harmonies

## Analogous

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



94.2350, 15.8160, 10.7280



93.6500, 21.7770, 7.3210



92.9610, 22.0990, 1.4830

# Triad

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



93.6500, 21.7770, 7.3210



88.6150, -6.6460, -11.7180



90.1580, -20.8160, 2.8000

# Complementary

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



93.6500, 21.7770, 7.3210



107.3500, -21.7770, -7.3210

# 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.



87.4510, -29.2510, -4.0270



93.6500, 21.7770, 7.3210



86.4980, -19.4380, -11.1660

# Square

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



93.6500, 21.7770, 7.3210



90.7260, 6.2830, -9.2450



85.5880, -28.3790, -8.8190



93.2630, -7.7500, 8.2980



# Rectangle

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



93.6500, 21.7770, 7.3210



92.1730, 18.3860, -2.8140



85.5880, -28.3790, -8.8190



88.8370, -24.3460, 0.6940

# Sweetspot

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



93.6500, 21.7770, 7.3210



146.1860, 8.3440, 2.9680



97.1670, 10.4960, 19.0400



73.2780, 5.0890, 1.3850



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



93.6500, 21.7770, 7.3210



115.9290, 34.2930, 11.7730



104.2160, 16.8270, -2.0930



54.7940, 3.5760, 1.2720



38.2390, 71.8870, 24.2950



78.8590, 147.0750, 49.3390



# Inverse Universe

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



107.3500, -21.7770, -7.3210



137.4840, -34.0180, -11.2500



96.7840, -16.8270, 2.0930



56.6190, -3.3010, -0.7490



83.7610, -71.8870, -24.2950



171.1410, -147.0750, -49.3390



# Previews

## White Background



This preview shows how the YIQ color 93.6500, 21.7770, 7.3210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

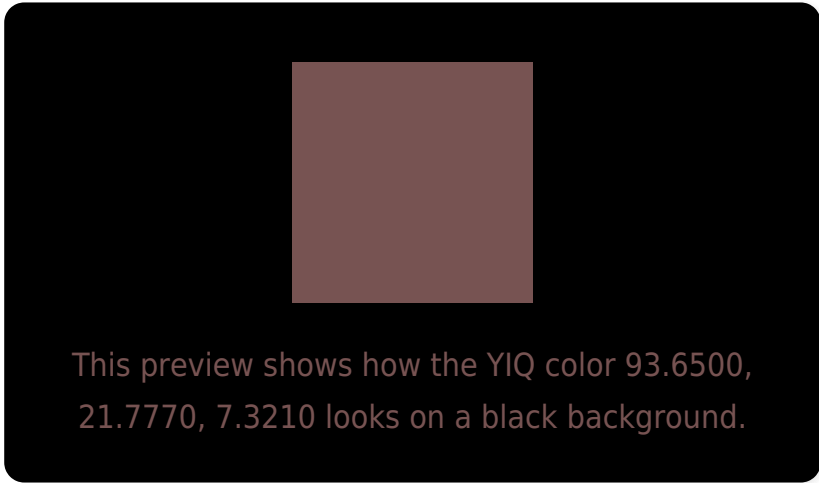
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

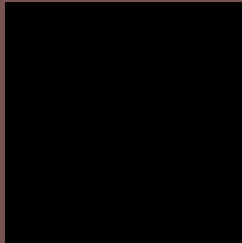
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 93.6500, 21.7770, 7.3210**

## **Background**



This preview shows how black text looks on a background with the YIQ color 93.6500, 21.7770, 7.3210.



This preview shows how white text looks on a background with the YIQ color 93.6500, 21.7770,



# 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

93.6500, 21.7770, 7.3210

### Protanopia

92.3270, 3.3930, -0.9190

### Deuteranopia

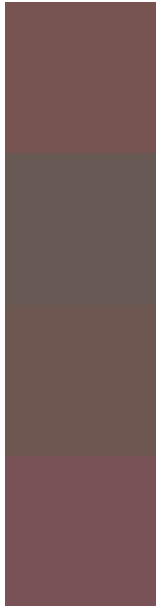
92.8720, 12.1040, 0.9040



## Tritanopia

94.0460, 20.7220, 9.9220

# Trichromacy



## Original Color

93.6500, 21.7770, 7.3210

## Protanomaly

93.0290, 10.2240, 1.9360

## Deuteranomaly

93.1930, 15.6340, 3.0100

## Tritanomaly

93.8180, 21.3640, 9.3000

# Monochromacy



## Original Color

93.6500, 21.7770, 7.3210

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.8870, 7.7480, 2.7560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.6500, 21.7770, 7.3210 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(119, 83, 82)` looks like.

```
.text, #text, p{  
    color:rgb(119, 83, 82)  
}
```

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(119, 83, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 83, 82) }
```

## Border

The CSS property to change the border of an element to YIQ 93.6500, 21.7770, 7.3210 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(119, 83, 82) }
```



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

```
.border{ border-color:rgb(119, 83, 82) }
```

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

Here you see how a box with a 4 pixel rgb(119, 83, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 83, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 83, 82);  
box-shadow:4px 4px 4px 4px rgb(119, 83,  
82) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.6500, 21.7770, 7.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 83, 82) }
```

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

```
.background{ background-color: rgb(119, 83,  
82) }
```

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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