

# Converting Colors

YIQ(167.7210, -12.5160,  
-4.4520)

Have a look what the booklet for  
YIQ(167.7210, -12.5160, -4.4520)  
contains.

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# Color

**YIQ(167.7210, -12.5160,  
-4.4520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99AEAE
RGB	153, 174, 174
RGB Percent	60%, 68%, 68%
CMY	0.4000, 0.3176, 0.3177
CMYK	0.12, 0.00, 0.00, 0.32
HSL	180°, 11%, 64%
HSV	180°, 12%, 68%
XYZ	35.9110, 40.1021, 45.8857
YIQ	167.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

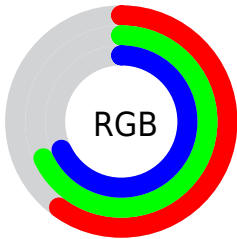
Format	Color
R <sub>Y</sub> B	153, 164, 174
Decimal	10071726
CIE Lab	69.54, -7.25, -2.46
CIE LCh	70, 7.657, 198.738
Yxy	40.1021, 0.2946, 0.3290
Android (android.graphics.Color)	4288261806 (0xFF99AEAE)
YUV	167.7210, 3.0955, -12.9103
Hunter-Lab	63.3262, -9.5972, 1.3673

# Details

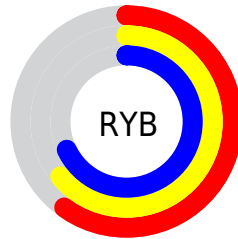
The YIQ color **167.7210, -12.5160, -4.4520** is a light color, and the websafe version is hex **999999**. A complement of this color would be **159.2790, 12.5160, 4.4520**, and the grayscale version is **168.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **222.4220, -13.1120, -4.6640**, and **116.0200, -11.9200, -4.2400** is the 20% darker color. If you saturate the color by 10%, you get **162.6380, -22.6480, -8.0560**, and if you desaturate by 10%, it is **172.8040, -2.3840, -0.8480**.

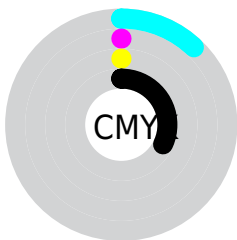
# Distribution



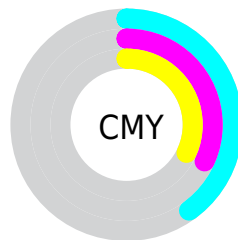
- Red (60%)
- Green (68%)
- Blue (68%)



- Red (60%)
- Yellow (64%)
- Blue (68%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (40%)
- Magenta (32%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 167.7210, -12.5160, -4.4520 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 167.7210, -12.5160, -4.4520 by changing the saturation by 10% instead.



■ 167.7210,  
-12.5160, -4.4520

■ 167.7210,  
-12.5160, -4.4520

■ 255.0000, -0.0000,  
-0.0000

■ 141.0200,  
-11.9200, -4.2400

■ 222.4220,  
-13.1120, -4.6640

■ 116.0200,  
-11.9200, -4.2400

■ 249.3190,  
-11.3240, -4.0280

■ 91.3190, -11.3240,  
-4.0280

■ 67.3190, -11.3240,  
-4.0280

■ 45.3190, -11.3240,  
-4.0280

■ 24.0310, -10.4530,  
-3.2930

■ 0.4560, -1.2840,

1.2440

■ 0.0000, 0.0000,  
0.0000

■ 167.7210,  
-12.5160, -4.4520

■ 167.7210,  
-12.5160, -4.4520

■ 162.6380,  
-22.6480, -8.0560

■ 172.8040, -2.3840,  
-0.8480

■ 157.2560,  
-33.3760, -11.8720

■ 178.1860, 8.3440,  
2.9680

■ 152.1730,  
-43.5080, -15.4760

■ 183.2690, 18.4760,  
6.5720

■ 146.7910,  
-54.2360, -19.2920

■ 188.6510, 29.2040,  
10.3880

■ 141.7080,  
-64.3680, -22.8960

■ 193.7340, 39.3360,  
13.9920

■ 136.6250,  
-74.5000, -26.5000

■ 198.2190, 48.2760,  
17.1720

■ 131.2430,  
-85.2280, -30.3160

■ 126.1600,  
-95.3600, -33.9200

■ 121.9740,  
-103.7040, -36.8880

# Harmonies

## Analogous

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



167.8200, -8.4810, -5.9930



167.7210, -12.5160, -4.4520



168.1170, -13.5710, -1.8510

# Triad

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



167.7210, -12.5160, -4.4520



171.0590, 1.5120, 5.6400



169.6220, 9.8120, -1.6120

# Complementary

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



167.7210, -12.5160, -4.4520



159.2790, 12.5160, 4.4520

# 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.



170.6980, 12.6540, 1.9500



167.7210, -12.5160, -4.4520



171.2940, 8.1600, 6.3040

# Square

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



167.7210, -12.5160, -4.4520



170.2970, -5.0900, 4.1420



171.0940, 11.5990, 4.5510



169.4040, 4.4940, -4.3540



# Rectangle

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



167.7210, -12.5160, -4.4520



169.0680, -11.8750, 0.4530



171.0940, 11.5990, 4.5510



170.3340, 10.6830, -0.8770

# Sweetspot

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



167.7210, -12.5160, -4.4520



224.3090, -5.3640, -1.9080



165.3270, -5.7750, -10.9830



113.2060, -3.5760, -1.2720



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



167.7210, -12.5160, -4.4520



217.4320, -19.0720, -6.7840



161.8510, -9.7660, 0.7780



84.3090, -5.3640, -1.9080



105.1500, -89.4000, -31.8000



16.1230, -13.7080, -4.8760



# Inverse Universe

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



159.2790, 12.5160, 4.4520



204.5680, 19.0720, 6.7840



165.1490, 9.7660, -0.7780



80.6910, 5.3640, 1.9080



44.8500, 89.4000, 31.8000



6.8770, 13.7080, 4.8760



# Previews

## White Background



This preview shows how the YIQ color 167.7210, -12.5160, -4.4520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

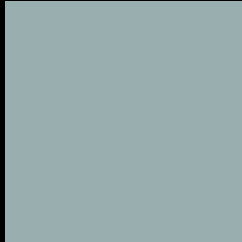
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 167.7210, -12.5160, -4.4520 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

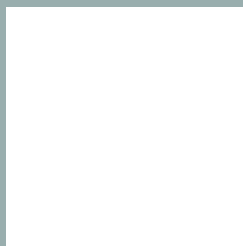
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 167.7210, -12.5160, -4.4520

## Background



This preview shows how black text looks on a background with the YIQ color 167.7210, -12.5160, -4.4520.



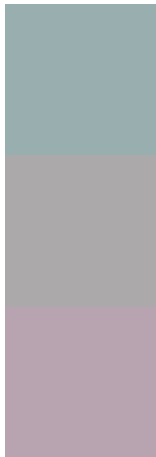
This preview shows how white text looks on a background with the YIQ color 167.7210, -12.5160, -4.4520.

-4.4520.

# 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

167.7210, -12.5160, -4.4520

### Protanopia

170.1250, 1.1460, 1.2580

### Deuteranopia

171.0490, 7.4720, 7.7600



## Tritanopia

168.5130, -14.6260, 0.7500

# Trichromacy



## Original Color

167.7210, -12.5160, -4.4520

## Protanomaly

169.3200, -3.8970, -0.9610

## Deuteranomaly

169.9940, 0.1370, 3.0250

## Tritanomaly

168.3450, -14.2130, -1.2290

# Monochromacy



## Original Color

167.7210, -12.5160, -4.4520

## Achromatopsia

168.0000, -0.0000, -0.0000

## Achromatomaly

167.9070, -4.1720, -1.4840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 167.7210, -12.5160, -4.4520 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(153, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(153, 174, 174)  
}
```

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(153, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 174, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 167.7210, -12.5160, -4.4520 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(153, 174, 174) }
```



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

```
.border{ border-color:rgb(153, 174, 174) }
```

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

Here you see how a box with a 4 pixel rgb(153, 174, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(153, 174,  
174) }
```

# Background

The CSS property to change the background color of an element to YIQ 167.7210, -12.5160, -4.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 174, 174) }
```

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

```
.background{ background-color: rgb(153,  
174, 174) }
```

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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