

# Converting Colors

YIQ(133.2390, -7.2020, 20.3980)

Have a look what the booklet for  
YIQ(133.2390, -7.2020, 20.3980)  
contains.

|  |    |
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# Color

**YIQ(133.2390, -7.2020,  
20.3980)**

# Conversions

| Conversions Part 1 |                            |
|--------------------|----------------------------|
| Format             | Color                      |
| Hex                | 8B7AB0                     |
| RGB                | 139, 122, 176              |
| RGB Percent        | 55%, 48%, 69%              |
| CMY                | 0.4548, 0.5216, 0.3099     |
| CMYK               | 0.21, 0.31, 0.00, 0.31     |
| HSL                | 259°, 25%, 58%             |
| HSV                | 259°, 31%, 69%             |
| XYZ                | 25.4440, 22.5418, 44.0749  |
| YIQ                | 133.2390, -7.2020, 20.3980 |

# Conversions

## Conversions Part 2

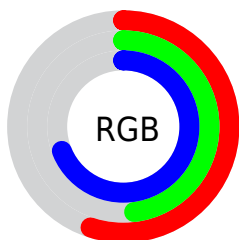
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">139, 122, 176</a>                              |
| Decimal                             | <a href="#">9140912</a>                                    |
| CIELab                              | <a href="#">54.60, 17.95, -26.23</a>                       |
| CIELCh                              | <a href="#">55, 31.780, 304.381</a>                        |
| Yxy                                 | <a href="#">22.5418, 0.2764, 0.2449</a>                    |
| Android<br>(android.graphics.Color) | <a href="#">4287330992</a><br><a href="#">(0xFF8B7AB0)</a> |
| YUV                                 | <a href="#">133.2390, 21.0812, 5.0524</a>                  |
| Hunter-Lab                          | <a href="#">47.4782, 12.5728, -21.8053</a>                 |

# Details

The YIQ color  $133.2390, -7.2020, 20.3980$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $164.7610, 7.2020, -20.3980$ , and the grayscale version is  $133.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $186.2930, -7.2940, 22.0660$ , and  $83.1850, -7.1100, 18.7300$  is the 20% darker color. If you saturate the color by 10%, you get  $119.0850, -9.4040, 27.2680$ , and if you desaturate by 10%, it is  $147.3930, -5.0000, 13.5280$ .

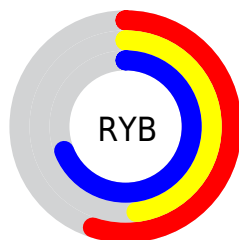
# Distribution



Red (55%)

Green (48%)

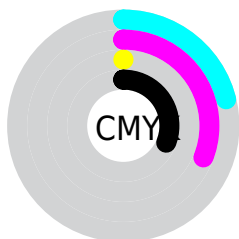
Blue (69%)



Red (55%)

Yellow (48%)

Blue (69%)

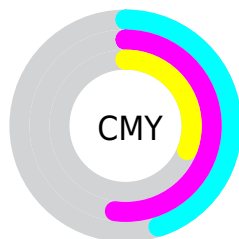


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (31%)



Cyan (45%)

Magenta (52%)

Yellow (31%)

# Brightness & Saturation

## Gradients


These gradients show how the YIQ color 133.2390, -7.2020, 20.3980 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 133.2390, -7.2020, 20.3980 by changing the saturation by 10% instead.





 133.2390, -7.2020,  
20.3980


 133.2390, -7.2020,  
20.3980


 255.0000, -0.0000,  
-0.0000

 107.7120, -7.1560,  
19.5640


 186.2930, -7.2940,  
22.0660


 83.1850, -7.1100,  
18.7300


 213.7230, -5.6890,  
20.5110

 60.2450, -7.3390,  
17.3730

 238.8300, 3.8950,  
12.0150

 37.4190, -7.8890,  
16.3270

 14.7180, -7.2930,  
16.5390

 4.5940, -10.1800,  
8.2840

 0.0000, 0.0000,

0.0000

■ 133.2390, -7.2020,  
20.3980

■ 133.2390, -7.2020,  
20.3980

■ 119.0850, -9.4040,  
27.2680

■ 147.3930, -5.0000,  
13.5280

■ 105.5180,  
-11.8810, 33.6150

■ 160.9600, -2.5230,  
7.1810

■ 91.3640, -14.0830,  
40.4850

■ 175.1140, -0.3210,  
0.3110

■ 77.7970, -16.5600,  
46.8320

■ 188.6810, 2.1560,  
-6.0360

■ 63.6430, -18.7620,  
53.7020

■ 202.8350, 4.3580,  
-12.9060

■ 49.4890, -20.9640,  
60.5720

■ 216.9890, 6.5600,  
-19.7760

■ 36.5090, -23.7160,  
66.3960

■ 230.5560, 9.0370,  
-26.1230

■ 240.0140, 13.4390,  
-28.8090

■ 243.6020, 20.5910,  
-26.2650

# Harmonies

## Analogous

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



127.5770, -37.8730, 9.0630



133.2390, -7.2020, 20.3980



134.5320, 19.8940, 24.9340

# Triad

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



133.2390, -7.2020, 20.3980



130.6070, 40.5310, -2.1650



112.9490, -57.8570, -25.2570

# Complementary

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



133.2390, -7.2020, 20.3980



164.7610, 7.2020, -20.3980

# 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.



120.5430, -24.4790, -24.4390



133.2390, -7.2020, 20.3980



128.2150, 26.5950, -13.9250

# Square

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



133.2390, -7.2020, 20.3980



131.6760, 45.2510, 11.4190



124.9670, 3.6260, -21.6700



102.8820, -91.2810, -25.2410



# Rectangle

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



133.2390, -7.2020, 20.3980



134.0080, 33.0530, 23.2370



124.9670, 3.6260, -21.6700



115.9950, -46.3030, -25.3990

# Sweetspot

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



133.2390, -7.2020, 20.3980



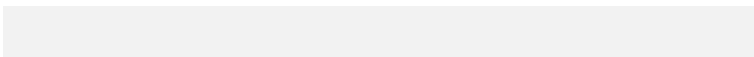
213.1880, -3.1650, 7.8030



150.4620, -27.7840, -3.0800



104.6780, -1.7890, 4.8910



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.



133.2390, -7.2020, 20.3980



162.4640, -11.7890, 31.9470



141.0130, 8.2940, 25.9100



81.9230, -1.1010, 3.4350



31.7940, -20.5050, 57.7590



5.3560, -3.5780, 9.7820



# Inverse Universe

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



142.3640, 20.3070, 22.9550



177.0270, 32.0420, 36.0580



156.9870, -8.2940, -25.9100



83.3750, 3.4380, 3.7740



57.7170, 57.4830, 65.0910

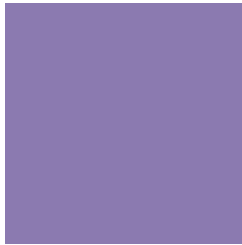


9.7120, 10.0390, 10.7990



# Previews

## White Background



This preview shows how the YIQ color 133.2390, -7.2020, 20.3980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

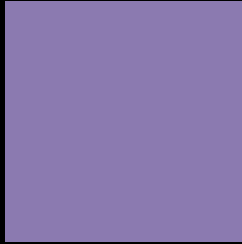
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the YIQ color 133.2390, -7.2020, 20.3980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

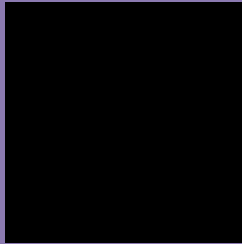
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 133.2390, -7.2020, 20.3980**

## **Background**



This preview shows how black text looks on a background with the YIQ color 133.2390, -7.2020, 20.3980.



This preview shows how white text looks on a background with the YIQ color 133.2390, -7.2020,



# 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

133.2390, -7.2020, 20.3980

### Protanopia

130.7420, -25.0360, 13.2040

### Deuteranopia

131.2540, -20.7260, 12.1860



## Tritanopia

131.0370, -1.4220, 3.7460

# Trichromacy



## Original Color

133.2390, -7.2020, 20.3980

## Protanomaly

131.4440, -18.2050, 16.0590

## Deuteranomaly

131.5860, -15.7290, 15.2390

## Tritanomaly

131.6550, -2.9820, 9.9940

# Monochromacy



## Original Color

133.2390, -7.2020, 20.3980

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.0740, -2.8440, 7.4920

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.2390, -7.2020, 20.3980 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(139, 122, 176)` looks like.

```
.text, #text, p{  
    color:rgb(139, 122, 176)  
}
```

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(139, 122, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 122, 176) }
```

## Border

The CSS property to change the border of an element to YIQ 133.2390, -7.2020, 20.3980 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(139, 122, 176) }
```



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

```
.border{ border-color:rgb(139, 122, 176) }
```

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

Here you see how a box with a 4 pixel rgb(139, 122, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 122, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 122, 176);  
box-shadow:4px 4px 4px 4px rgb(139, 122,  
176) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.2390, -7.2020, 20.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 122, 176) }
```

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

```
.background{ background-color: rgb(139,  
122, 176) }
```

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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