

# Converting Colors

YIQ(133.8870, 8.8890, 31.6490)

Have a look what the booklet for  
YIQ(133.8870, 8.8890, 31.6490)  
contains.

<b>YIQ(133.8870, 8.8890, 31.6490)</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(133.8870, 8.8890,  
31.6490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A26FB2
RGB	162, 111, 178
RGB Percent	64%, 44%, 70%
CMY	0.3645, 0.5648, 0.3020
CMYK	0.09, 0.38, 0.00, 0.30
HSL	286°, 30%, 57%
HSV	286°, 38%, 70%
XYZ	28.6263, 22.2642, 44.9059
YIQ	133.8870, 8.8890, 31.6490

# Conversions

## Conversions Part 2

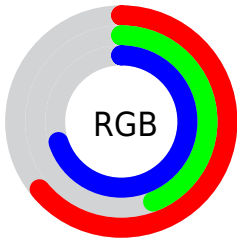
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 111, 178
Decimal	10645426
CIELab	54.31, 32.11, -27.65
CIELCh	54, 42.378, 319.265
Yxy	22.2642, 0.2988, 0.2324
Android (android.graphics.Color)	4288835506 (0xFFA26FB2)
YUV	133.8870, 21.7477, 24.6551
Hunter-Lab	47.1849, 25.7194, -23.3969

# Details

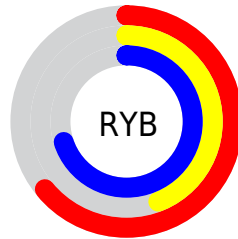
The YIQ color **133.8870, 8.8890, 31.6490** is a light color, and the websafe version is hex **996699**. A complement of this color would be **155.1130, -8.8890, -31.6490**, and the grayscale version is **134.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **188.1260, 9.7140, 33.2180**, and **83.2350, 7.7890, 29.5570** is the 20% darker color. If you saturate the color by 10%, you get **122.1250, 11.4550, 40.2150**, and if you desaturate by 10%, it is **145.6490, 6.3230, 23.0830**.

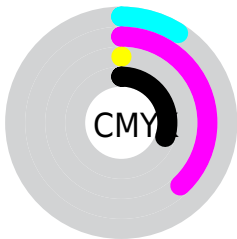
# Distribution



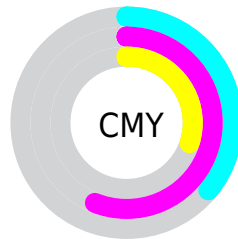
- Red (64%)
- Green (44%)
- Blue (70%)



- Red (64%)
- Yellow (44%)
- Blue (70%)



- Cyan (9%)
- Magenta (38%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (56%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.8870, 8.8890, 31.6490 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 133.8870, 8.8890, 31.6490 by changing the saturation by 10% instead.



133.8870, 8.8890,  
31.6490

133.8870, 8.8890,  
31.6490

255.0000, -0.0000,  
-0.0000

108.0610, 8.3390,  
30.6030

187.5390, 9.9890,  
33.7410

83.2350, 7.7890,  
29.5570

215.0400, 12.8320,  
31.7760

58.8220, 7.5140,  
29.0340

233.8680, 9.9000,  
18.8280

34.5230, 6.9180,  
28.8220

250.8910, 1.9250,  
3.6610

17.1050, 5.0390,  
24.3270

3.5340, -9.9510,  
9.6410

0.1140, -0.3210,

0.3110

0.0000, 0.0000,  
0.0000

133.8870, 8.8890,  
31.6490

133.8870, 8.8890,  
31.6490

122.1250, 11.4550,  
40.2150

145.6490, 6.3230,  
23.0830

110.3630, 14.0210,  
48.7810

157.7100, 4.3530,  
14.7290

98.8890, 15.7160,  
56.6120

168.8850, 2.0620,  
6.6860

87.1270, 18.2820,  
65.1780

180.6470, -0.5040,  
-1.8800

75.3650, 20.8480,  
73.7440

192.4090, -3.0700,  
-10.4460

■ 63.6030, 23.4140,  
82.3100

■ 204.1710, -5.6360,  
-19.0120

■ 60.9560, 23.9180,  
84.1900

■ 216.2320, -7.6060,  
-27.3660

■ 227.4070, -9.8970,  
-35.4090

■ 229.7770, -8.0630,  
-35.6070

# Harmonies

## Analogous

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



129.2500, -32.0980, 20.0460



133.8870, 8.8890, 31.6490



132.3390, 39.7910, 33.2870

# Triad

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



133.8870, 8.8890, 31.6490



127.3220, 45.3470, -12.3570



104.3180, -89.8130, -29.8210

# Complementary

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



133.8870, 8.8890, 31.6490



155.1130, -8.8890, -31.6490

# 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.



99.9860, -77.6150, -41.6390



133.8870, 8.8890, 31.6490



124.1290, 20.5450, -25.4310

# Square

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



133.8870, 8.8890, 31.6490



129.4460, 57.4020, 5.9620



118.7750, -13.7490, -31.6770



106.0910, -98.9390, -18.6110



# Rectangle

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



133.8870, 8.8890, 31.6490



130.9950, 52.2630, 27.5190



118.7750, -13.7490, -31.6770



102.8360, -85.6400, -33.8640

# Sweetspot

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



133.8870, 8.8890, 31.6490



215.5310, 3.2990, 11.8030



128.6170, -26.1820, 11.9460



107.2980, 2.3370, 7.2090



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



133.8870, 8.8890, 31.6490



163.4770, 13.7000, 49.0920



136.7330, 23.8820, 29.7540



83.1190, 1.2830, 4.2830



52.4250, 20.6190, 72.3870



8.6450, 2.9780, 12.1140



# Inverse Universe

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



132.8570, 34.7960, 19.1800



161.8320, 54.2800, 29.5120



152.2670, -23.8820, -29.7540



82.9190, 4.7220, 2.5300



49.8510, 79.6320, 43.6320



8.4580, 13.5700, 7.3780



# Previews

## White Background



This preview shows how the YIQ color 133.8870, 8.8890, 31.6490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

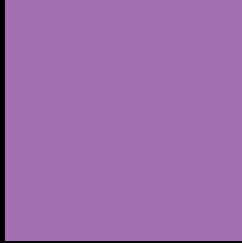
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.8870, 8.8890, 31.6490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

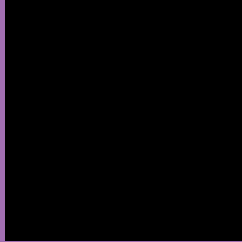
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 133.8870, 8.8890, 31.6490

## Background



This preview shows how black text looks on a background with the YIQ color 133.8870, 8.8890, 31.6490.



This preview shows how white text looks on a background with the YIQ color 133.8870, 8.8890,



# 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

133.8870, 8.8890, 31.6490

### Protanopia

129.6150, -31.8680, 15.8760

### Deuteranopia

130.3680, -21.0470, 12.4970



## Tritanopia

132.1920, 17.3750, 10.0070

# Trichromacy



## Original Color

133.8870, 8.8890, 31.6490

## Protanomaly

131.2040, -17.2890, 21.4870

## Deuteranomaly

131.7440, -10.1820, 19.3380

## Tritanomaly

132.6790, 14.8060, 18.0220

# Monochromacy



## Original Color

133.8870, 8.8890, 31.6490

## Achromatopsia

134.0000, -0.0000, -0.0000

## Achromatomaly

134.1180, 3.0240, 11.2800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.8870, 8.8890, 31.6490 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(162, 111, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 111, 178)  
}
```

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(162, 111, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 111, 178) }
```

## Border

The CSS property to change the border of an element to YIQ 133.8870, 8.8890, 31.6490 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(162, 111, 178) }
```



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

```
.border{ border-color:rgb(162, 111, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 111, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 111, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 111, 178);  
box-shadow:4px 4px 4px 4px rgb(162, 111,  
178) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.8870, 8.8890, 31.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 111, 178) }
```

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

```
.background{ background-color: rgb(162,  
111, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor