

# Converting Colors

YIQ(133.8560, 19.3420, 34.9420)

Have a look what the booklet for  
YIQ(133.8560, 19.3420, 34.9420)  
contains.

|  |    |
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# Color

**YIQ(133.8560, 19.3420,  
34.9420)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | AE6AAC                     |
| RGB           | 174, 106, 172              |
| RGB Percent   | 68%, 42%, 67%              |
| CMY           | 0.3174, 0.5844, 0.3255     |
| CMYK          | 0.00, 0.39, 0.01, 0.32     |
| HSL           | 302°, 30%, 55%             |
| HSV           | 302°, 39%, 68%             |
| XYZ           | 30.0652, 22.2856, 41.7500  |
| YIQ           | 133.8560, 19.3420, 34.9420 |

# Conversions

## Conversions Part 2

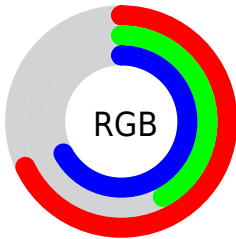
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 174, 106, 172                 |
| Decimal                             | 11430572                      |
| CIELab                              | 54.33, 37.54, -24.04          |
| CIELCh                              | 54, 44.577, 327.361           |
| Yxy                                 | 22.2856, 0.3195,<br>0.2368    |
| Android<br>(android.graphics.Color) | 4289620652<br>(0xFFAE6AAC)    |
| YUV                                 | 133.8560, 18.8050,<br>35.2063 |
| Hunter-Lab                          | 47.2077, 31.0682,<br>-19.3901 |

# Details

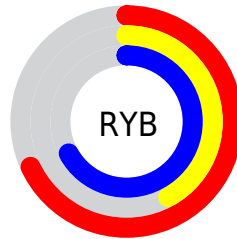
The YIQ color **133.8560, 19.3420, 34.9420** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **146.1440, -19.3420, -34.9420**, and the grayscale version is **134.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **188.3940, 20.7630, 36.7230**, and **82.3180, 17.9210, 33.1610** is the 20% darker color. If you saturate the color by 10%, you get **123.7630, 24.3380, 43.5220**, and if you desaturate by 10%, it is **143.9490, 14.3460, 26.3620**.

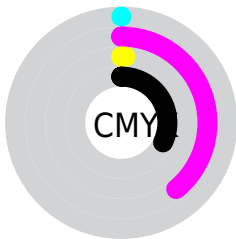
# Distribution



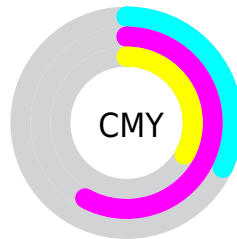
- Red (68%)
- Green (42%)
- Blue (67%)



- Red (68%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (39%)
- Yellow (1%)
- Black (32%)



- Cyan (32%)
- Magenta (58%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.8560, 19.3420, 34.9420 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 133.8560, 19.3420, 34.9420 by changing the saturation by 10% instead.



133.8560, 19.3420,  
34.9420

133.8560, 19.3420,  
34.9420

255.0000, -0.0000,  
-0.0000

108.0300, 18.7920,  
33.8960

188.3940, 20.7630,  
36.7230

82.3180, 17.9210,  
33.1610

214.4970, 18.9750,  
36.0870

57.1330, 17.0040,  
33.2600

230.9330, 11.2750,  
21.4430

30.4860, 17.5080,  
35.1400

247.9560, 3.3000,  
6.2760

19.2260, 12.0080,  
24.6800

7.8620, 0.8690,  
11.7890

0.0000, 0.0000,

0.0000

133.8560, 19.3420,  
34.9420

133.8560, 19.3420,  
34.9420

123.7630, 24.3380,  
43.5220

143.9490, 14.3460,  
26.3620

113.1970, 29.2880,  
52.9360

154.5150, 9.3960,  
16.9480

103.1040, 34.2840,  
61.5160

164.6080, 4.4000,  
8.3680

92.5380, 39.2340,  
70.9300

175.1740, -0.5500,  
-1.0460

82.4450, 44.2300,  
79.5100

185.2670, -5.5460,  
-9.6260

72.4660, 48.9050,  
88.4010

195.2460,  
-10.2210, -18.5170

71.2920, 49.4550,  
89.4470

205.9260,  
-15.4920, -27.6200

215.9050,  
-20.1670, -36.5110

221.8890,  
-23.2380, -41.4300

# Harmonies

## Analogous

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



131.2730, -21.7370, 25.0070



133.8560, 19.3420, 34.9420



131.5310, 47.9980, 33.2300

# Triad

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



133.8560, 19.3420, 34.9420



126.5940, 41.4050, -18.0110



106.1590, -93.6190, -26.9230

# Complementary

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



133.8560, 19.3420, 34.9420



146.1440, -19.3420, -34.9420

# 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.



101.7130, -81.1000, -39.0520



133.8560, 19.3420, 34.9420



122.6010, 13.1640, -29.3320

# Square

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



133.8560, 19.3420, 34.9420



128.2840, 57.6780, 0.9580



115.0660, -27.8700, -34.5740



106.6440, -101.8740, -14.9780



# Rectangle

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



133.8560, 19.3420, 34.9420



129.7630, 58.7280, 25.9920



115.0660, -27.8700, -34.5740



104.7910, -89.7670, -30.6550

# Sweetspot

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



133.8560, 19.3420, 34.9420



211.0370, 7.7460, 13.8100



114.0510, -21.2320, 21.3600



105.4940, 4.7210, 8.0570



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.



133.8560, 19.3420, 34.9420



163.8490, 30.3880, 55.0280



130.0940, 29.9350, 24.6790



81.6030, 2.7960, 4.3960



61.4940, 42.5340, 77.2060



9.3850, 6.6460, 11.7180



# Inverse Universe

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



133.8560, 19.3420, 34.9420



163.8490, 30.3880, 55.0280



149.9060, -29.9350, -24.6790



81.6030, 2.7960, 4.3960



61.4940, 42.5340, 77.2060



9.3850, 6.6460, 11.7180



# Previews

## White Background



This preview shows how the YIQ color 133.8560, 19.3420, 34.9420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

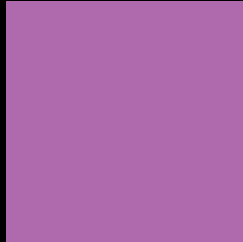
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.8560, 19.3420, 34.9420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

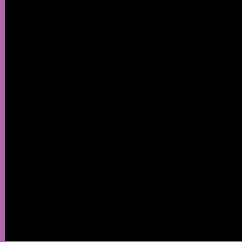
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 133.8560, 19.3420, 34.9420

## Background



This preview shows how black text looks on a background with the YIQ color 133.8560, 19.3420, 34.9420.



This preview shows how white text looks on a background with the YIQ color 133.8560, 19.3420,



# 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

133.8560, 19.3420, 34.9420

### Protanopia

129.5720, -30.3090, 15.1550

### Deuteranopia

131.0650, -15.8200, 11.3800



## Tritanopia

132.5740, 28.1030, 13.8230

# Trichromacy



## Original Color

133.8560, 19.3420, 34.9420

## Protanomaly

131.0690, -12.4750, 22.3490

## Deuteranomaly

132.1640, -2.6170, 19.9030

## Tritanomaly

132.7620, 24.9380, 21.6260

# Monochromacy



## Original Color

133.8560, 19.3420, 34.9420

## Achromatopsia

134.0000, -0.0000, -0.0000

## Achromatomaly

134.2110, 7.1960, 12.7640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.8560, 19.3420, 34.9420 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(174, 106, 172)` looks like.

```
.text, #text, p{  
    color:rgb(174, 106, 172)  
}
```

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(174, 106, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 106, 172) }
```

## Border

The CSS property to change the border of an element to YIQ 133.8560, 19.3420, 34.9420 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(174, 106, 172) }
```



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

```
.border{ border-color:rgb(174, 106, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 106, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 106, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 106, 172);  
box-shadow:4px 4px 4px 4px rgb(174, 106,  
172) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.8560, 19.3420, 34.9420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 106, 172) }
```

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

```
.background{ background-color: rgb(174,  
106, 172) }
```

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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