

# Converting Colors

YIQ(132.8030, 0.4980, 35.0420)

Have a look what the booklet for  
YIQ(132.8030, 0.4980, 35.0420)  
contains.

|  |    |
|--|----|
| <b>YIQ(132.8030, 0.4980, 35.0420)</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(132.8030, 0.4980,  
35.0420)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 9B6EC0                    |
| RGB         | 155, 110, 192             |
| RGB Percent | 61%, 43%, 75%             |
| CMY         | 0.3920, 0.5687, 0.2471    |
| CMYK        | 0.19, 0.43, 0.00, 0.25    |
| HSL         | 273°, 39%, 59%            |
| HSV         | 273°, 43%, 75%            |
| XYZ         | 28.6119, 21.9255, 52.5841 |
| YIQ         | 132.8030, 0.4980, 35.0420 |

# Conversions

## Conversions Part 2

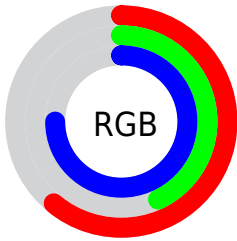
| <b>Format</b>                       | <b>Color</b>                                   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">155, 110, 192</a>                  |
| Decimal                             | <a href="#">10186432</a>                       |
| CIELab                              | <a href="#">53.95, 33.60, -36.31</a>           |
| CIELCh                              | <a href="#">54, 49.474, 312.776</a>            |
| Yxy                                 | <a href="#">21.9255, 0.2775,<br/>0.2126</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4288376512<br/>(0xFF9B6EC0)</a>    |
| YUV                                 | <a href="#">132.8030, 29.1841,<br/>19.4668</a> |
| Hunter-Lab                          | <a href="#">46.8246, 27.1283,<br/>-33.8055</a> |

# Details

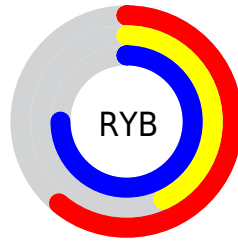
The YIQ color  $132.8030, 0.4980, 35.0420$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $169.1970, -0.4980, -35.0420$ , and the grayscale version is  $133.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $186.5690, 1.2770, 37.4450$ , and  $82.0370, -0.2810, 32.6390$  is the 20% darker color. If you saturate the color by 10%, you get  $118.9590, 0.3590, 43.0710$ , and if you desaturate by 10%, it is  $146.6470, 0.6370, 27.0130$ .

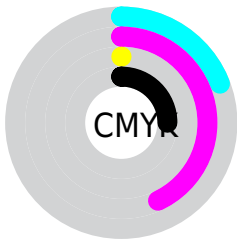
# Distribution



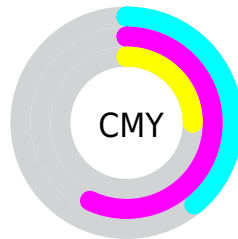
- Red (61%)
- Green (43%)
- Blue (75%)



- Red (61%)
- Yellow (43%)
- Blue (75%)



- Cyan (19%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (39%)
- Magenta (57%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 132.8030, 0.4980, 35.0420 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 132.8030, 0.4980, 35.0420 by changing the saturation by 10% instead.



132.8030, 0.4980,  
35.0420

132.8030, 0.4980,  
35.0420

255.0000, -0.0000,  
-0.0000

106.9770, -0.0520,  
33.9960

186.5690, 1.2770,  
37.4450

82.0370, -0.2810,  
32.6390

212.3600, 8.9350,  
30.8150

57.7980, -1.1060,  
31.0700

233.2810, 10.1750,  
19.3510

33.3850, -1.3810,  
30.5470

249.7170, 2.4750,  
4.7070

15.6680, -3.8560,  
25.8400

4.6740, -13.1610,  
12.7510

2.7530, -6.3740,

5.3860

■ 0.0000, 0.0000,  
0.0000

■ 132.8030, 0.4980,  
35.0420

■ 132.8030, 0.4980,  
35.0420

■ 118.9590, 0.3590,  
43.0710

■ 146.6470, 0.6370,  
27.0130

■ 105.4140, 0.8160,  
51.3120

■ 160.1920, 0.1800,  
18.7720

■ 90.9830, 0.9520,  
59.8640

■ 174.6230, 0.0440,  
10.2200

■ 77.1390, 0.8130,  
67.8930

■ 188.4670, 0.1830,  
2.1910

■ 63.5940, 1.2700,  
76.1340

■ 202.0120, -0.2740,  
-6.0500

■ 53.2830, 0.9480,  
81.9720

■ 215.8560, -0.1350,  
-14.0790

■ 229.7000, 0.0040,  
-22.1080

■ 238.5490, 1.7470,  
-26.1650

■ 241.2400, 7.1110,  
-24.2570

# Harmonies

## Analogous

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



123.8330, -52.9130, 17.3190



132.8030, 0.4980, 35.0420



130.8540, 40.0190, 40.1710

# Triad

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



132.8030, 0.4980, 35.0420



125.7100, 55.9380, -11.5660



104.6940, -88.1160, -33.0440

# Complementary

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



132.8030, 0.4980, 35.0420



169.1970, -0.4980, -35.0420

# 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.



98.5040, -73.4420, -45.6820



132.8030, 0.4980, 35.0420



122.8820, 31.3660, -28.8100

# Square

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



132.8030, 0.4980, 35.0420



127.1100, 67.3960, 12.0680



117.1360, -7.6960, -36.7520



108.0800, -100.4060, -19.5580



# Rectangle

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



132.8030, 0.4980, 35.0420



128.9020, 57.2590, 36.0990



117.1360, -7.6960, -36.7520



103.0980, -83.6220, -37.3980

# Sweetspot

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



132.8030, 0.4980, 35.0420



226.1440, 0.1350, 14.0790



141.6540, -36.7720, 5.6280



110.5690, 0.1360, 8.5520



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



132.8030, 0.4980, 35.0420



157.5220, 0.6320, 54.6480



143.5240, 23.5130, 41.9530



89.9340, 0.3660, 4.3820



44.6660, 0.7670, 68.7270



9.1440, 0.1350, 14.0790



# Inverse Universe

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



138.7360, 36.9950, 28.8910



166.8840, 57.6700, 45.1740



158.4760, -23.5130, -41.9530



90.5600, 4.3550, 3.6750



56.3470, 72.8440, 56.5240



11.5770, 14.8530, 11.6610



# Previews

## White Background



This preview shows how the YIQ color 132.8030, 0.4980, 35.0420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

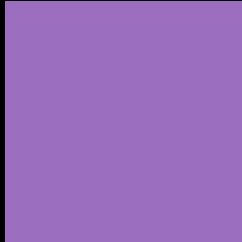
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 132.8030, 0.4980, 35.0420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

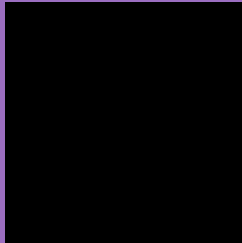
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 132.8030, 0.4980, 35.0420**

## **Background**



This preview shows how black text looks on a background with the YIQ color 132.8030, 0.4980, 35.0420.



This preview shows how white text looks on a background with the YIQ color 132.8030, 0.4980,



# 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

132.8030, 0.4980, 35.0420

### Protanopia

127.6340, -42.0470, 18.6330

### Deuteranopia

127.9630, -32.9680, 13.7840



## Tritanopia

130.7180, 9.9020, 7.7740

# Trichromacy



## Original Color

132.8030, 0.4980, 35.0420

## Protanomaly

129.5220, -26.8720, 24.4560

## Deuteranomaly

129.3500, -20.6360, 21.5720

## Tritanomaly

131.3730, 6.9200, 17.7680

# Monochromacy



## Original Color

132.8030, 0.4980, 35.0420

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

133.0900, 0.2270, 12.4110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 132.8030, 0.4980, 35.0420 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(155, 110, 192)` looks like.

```
.text, #text, p{  
    color:rgb(155, 110, 192)  
}
```

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(155, 110, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 110, 192) }
```

## Border

The CSS property to change the border of an element to YIQ 132.8030, 0.4980, 35.0420 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(155, 110, 192) }
```



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

```
.border{ border-color:rgb(155, 110, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 110, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 110, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 110, 192);  
box-shadow:4px 4px 4px 4px rgb(155, 110,  
192) }
```

# Background

The CSS property to change the background color of an element to YIQ 132.8030, 0.4980, 35.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 110, 192) }
```

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

```
.background{ background-color: rgb(155,  
110, 192) }
```

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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