

# Converting Colors

YIQ(129.8720, -3.9500, 38.5620)

Have a look what the booklet for  
YIQ(129.8720, -3.9500, 38.5620)  
contains.

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# Color

**YIQ(129.8720, -3.9500,  
38.5620)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	966AC8
RGB	150, 106, 200
RGB Percent	59%, 42%, 78%
CMY	0.4116, 0.5844, 0.2158
CMYK	0.25, 0.47, 0.00, 0.22
HSL	268°, 46%, 60%
HSV	268°, 47%, 78%
XYZ	28.1602, 20.9614, 57.1915
YIQ	129.8720, -3.9500, 38.5620

# Conversions

## Conversions Part 2

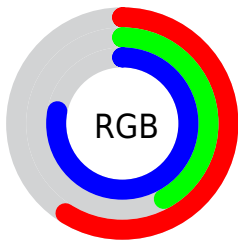
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 106, 200
Decimal	9857736
CIE <sub>Lab</sub>	52.91, 36.31, -42.56
CIE <sub>LCh</sub>	53, 55.949, 310.468
Yxy	20.9614, 0.2649, 0.1972
Android (android.graphics.Color)	4288047816 (0xFF966AC8)
YUV	129.8720, 34.5731, 17.6523
Hunter-Lab	45.7836, 29.6690, -42.0148

# Details

The YIQ color  $129.8720, -3.9500, 38.5620$  is a light color, and the websafe version is hex  $9966CC$ . A complement of this color would be  $176.1280, 3.9500, -38.5620$ , and the grayscale version is  $130.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $183.4100, -2.5290, 40.3430$ , and  $78.6930, -5.0040, 35.6360$  is the 20% darker color. If you saturate the color by 10%, you get  $114.8430, -5.0060, 46.6900$ , and if you desaturate by 10%, it is  $144.9010, -2.8940, 30.4340$ .

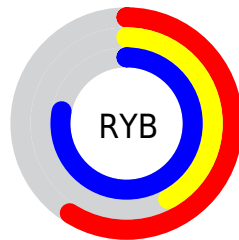
# Distribution



Red (59%)

Green (42%)

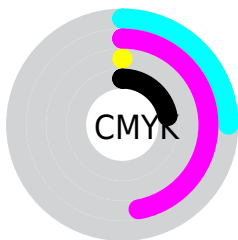
Blue (78%)



Red (59%)

Yellow (42%)

Blue (78%)

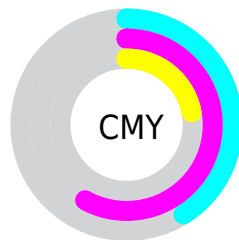


Cyan (25%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (41%)

Magenta (58%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 129.8720, -3.9500, 38.5620 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 129.8720, -3.9500, 38.5620 by changing the saturation by 10% instead.



129.8720, -3.9500,  
38.5620

129.8720, -3.9500,  
38.5620

255.0000, -0.0000,  
-0.0000

103.9320, -4.1790,  
37.2050

183.4100, -2.5290,  
40.3430

78.6930, -5.0040,  
35.6360

207.9300, 7.3300,  
32.3700

54.4540, -5.8290,  
34.0670

230.3460, 11.5500,  
21.9660

29.1550, -6.4250,  
33.8550

247.3690, 3.5750,  
6.7990

13.6610, -11.1460,  
25.7980

5.3580, -15.0870,  
14.6170

3.4370, -8.3000,

7.2520

■ 0.0000, 0.0000,  
0.0000

■ 129.8720, -3.9500,  
38.5620

■ 129.8720, -3.9500,  
38.5620

■ 114.8430, -5.0060,  
46.6900

■ 144.9010, -2.8940,  
30.4340

■ 100.1130, -5.4660,  
55.0300

■ 159.6310, -2.4340,  
22.0940

■ 85.0840, -6.5220,  
63.1580

■ 174.6600, -1.3780,  
13.9660

■ 70.3540, -6.9820,  
71.4980

■ 189.6890, -0.3220,  
5.8380

■ 55.3250, -8.0380,  
79.6260

■ 204.4190, 0.1380,  
-2.5020

■ 50.9060, -8.1760,  
82.1280

■ 219.4480, 1.1940,  
-10.6300

■ 234.1780, 1.6540,  
-18.9700

■ 242.7500, 5.7350,  
-21.3450

■ 246.0390, 12.2910,  
-19.0130

# Harmonies

## Analogous

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



115.0030, -74.0030, 14.0690



129.8720, -3.9500, 38.5620



127.6250, 42.4020, 46.5460

# Triad

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



129.8720, -3.9500, 38.5620



121.6740, 64.7870, -12.2450



103.6510, -86.5570, -33.7650

# Complementary

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



129.8720, -3.9500, 38.5620



176.1280, 3.9500, -38.5620

# 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.



96.7770, -69.9570, -48.2690



129.8720, -3.9500, 38.5620



117.6840, 40.4910, -34.4930

# Square

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



129.8720, -3.9500, 38.5620



122.5240, 75.0980, 15.6580



112.6430, -4.9900, -41.7420



107.7210, -100.7730, -18.4130



# Rectangle

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



129.8720, -3.9500, 38.5620



124.0540, 62.9430, 43.2230



112.6430, -4.9900, -41.7420



101.8270, -81.4210, -38.7410

# Sweetspot

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



129.8720, -3.9500, 38.5620



228.1870, -1.4240, 14.8000



146.0660, -43.9240, 3.0840



111.4980, -1.1020, 8.9620



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



129.8720, -3.9500, 38.5620



148.3350, -5.9710, 58.6770



143.9250, 24.0620, 48.5260



92.2220, -0.5050, 3.6470



41.6050, -6.4310, 67.0170



9.1870, -1.4240, 14.8000



# Inverse Universe

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



139.8060, 39.9740, 35.4780



163.4210, 60.8320, 53.9520



162.0750, -24.0620, -48.5260



93.2610, 3.7590, 3.4630



58.6550, 69.2210, 61.6130

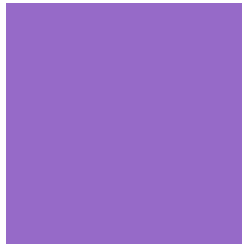


12.9300, 15.3570, 13.5410



# Previews

## White Background



This preview shows how the YIQ color 129.8720, -3.9500, 38.5620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

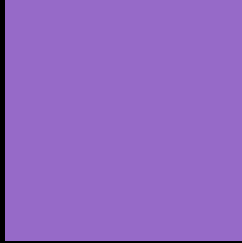
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 129.8720, -3.9500, 38.5620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

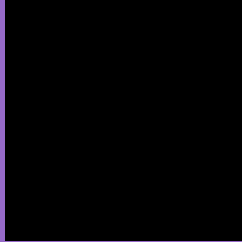
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 129.8720, -3.9500, 38.5620

## Background



This preview shows how black text looks on a background with the YIQ color 129.8720, -3.9500, 38.5620.



This preview shows how white text looks on a background with the YIQ color 129.8720, -3.9500,



# 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

129.8720, -3.9500, 38.5620

### Protanopia

122.5390, -51.9050, 21.0790

### Deuteranopia

123.5150, -43.3300, 14.3500



## Tritanopia

127.8100, 6.6470, 6.1910

# Trichromacy



## Original Color

129.8720, -3.9500, 38.5620

## Protanomaly

125.2100, -34.6210, 27.2270

## Deuteranomaly

125.7990, -29.2100, 22.7740

## Tritanomaly

128.3340, 2.6560, 17.9520

# Monochromacy



## Original Color

129.8720, -3.9500, 38.5620

## Achromatopsia

130.0000, -0.0000, -0.0000

## Achromatomaly

129.6600, -1.3780, 13.9660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 129.8720, -3.9500, 38.5620 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(150, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(150, 106, 200)  
}
```

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(150, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 106, 200) }
```

## Border

The CSS property to change the border of an element to YIQ 129.8720, -3.9500, 38.5620 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(150, 106, 200) }
```



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

```
.border{ border-color:rgb(150, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(150, 106,  
200) }
```

# Background

The CSS property to change the background color of an element to YIQ 129.8720, -3.9500, 38.5620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 106, 200) }
```

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

```
.background{ background-color: rgb(150,  
106, 200) }
```

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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