

# Converting Colors

YIQ(159.0190, -9.0380, 31.6500)

Have a look what the booklet for  
YIQ(159.0190, -9.0380, 31.6500)  
contains.

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# Color

**YIQ(159.0190, -9.0380,  
31.6500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA8DDF
RGB	170, 141, 223
RGB Percent	67%, 55%, 87%
CMY	0.3332, 0.4471, 0.1256
CMYK	0.24, 0.37, 0.00, 0.13
HSL	261°, 56%, 71%
HSV	261°, 37%, 87%
XYZ	39.4232, 32.9220, 74.0709
YIQ	159.0190, -9.0380, 31.6500

# Conversions

## Conversions Part 2

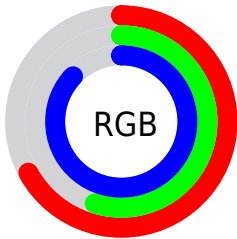
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 141, 223
Decimal	11177439
CIE <sub>Lab</sub>	64.10, 27.64, -37.80
CIE <sub>LCh</sub>	64, 46.823, 306.172
Yxy	32.9220, 0.2693, 0.2249
Android (android.graphics.Color)	4289367519 (0xFFAA8DDF)
YUV	159.0190, 31.5426, 9.6303
Hunter-Lab	57.3777, 22.2330, -36.3751

# Details

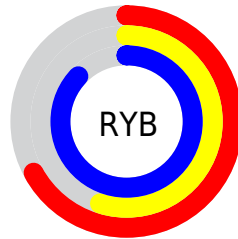
The YIQ color  $159.0190, -9.0380, 31.6500$  is a light color, and the websafe version is hex  $9999FF$ . A complement of this color would be  $204.9810, 9.0380, -31.6500$ , and the grayscale version is  $159.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $211.4080, -0.1880, 25.4440$ , and  $106.5520, -9.2210, 29.4590$  is the 20% darker color. If you saturate the color by 10%, you get  $141.9190, -11.3320, 40.1880$ , and if you desaturate by 10%, it is  $176.1190, -6.7440, 23.1120$ .

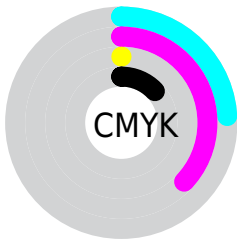
# Distribution



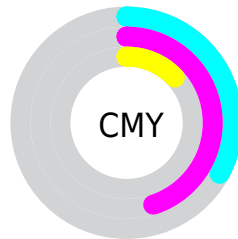
- Red (67%)
- Green (55%)
- Blue (87%)



- Red (67%)
- Yellow (55%)
- Blue (87%)



- Cyan (24%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (45%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.0190, -9.0380, 31.6500 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 159.0190, -9.0380, 31.6500 by changing the saturation by 10% instead.



159.0190, -9.0380,  
31.6500

159.0190, -9.0380,  
31.6500

255.0000, -0.0000,  
-0.0000

132.4920, -8.9920,  
30.8160

211.4080, -0.1880,  
25.4440

106.5520, -9.2210,  
29.4590

236.2160, 8.8000,  
16.7360

82.3130, -10.0460,  
27.8900

253.2390, 0.8250,  
1.5690

58.0740, -10.8710,  
26.3210

34.8350, -11.6960,  
24.7520

11.4110, -13.4380,  
23.2820

5.4890, -14.0780,

12.8500

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 159.0190, -9.0380,  
31.6500

■ 159.0190, -9.0380,  
31.6500

■ 141.9190,  
-11.3320, 40.1880

■ 176.1190, -6.7440,  
23.1120

■ 123.9330,  
-13.9470, 49.0370

■ 194.1050, -4.1290,  
14.2630

■ 106.8330,  
-16.2410, 57.5750

■ 211.2050, -1.8350,  
5.7250

■ 89.4340, -19.1310,  
65.9010

■ 228.6040, 1.0550,  
-2.6010

■ 72.3340, -21.4250,  
74.4390

■ 245.7040, 3.3490,  
-11.1390

■ 54.6470, -23.4440,  
83.5000

■ 251.3520, 10.2720,  
-9.9520

■ 49.0430, -24.4990,  
86.1010

# Harmonies

## Analogous

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



148.8920, -60.5690, 12.8950



159.0190, -9.0380, 31.6500



159.6080, 31.9040, 38.5600

# Triad

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



159.0190, -9.0380, 31.6500



153.6660, 59.2380, -5.2900



122.4810, -100.9980, -41.8780

# Complementary

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



159.0190, -9.0380, 31.6500



204.9810, 9.0380, -31.6500

# 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.



136.7480, -44.6500, -38.8420



159.0190, -9.0380, 31.6500



150.8660, 37.4630, -23.6650

# Square

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



159.0190, -9.0380, 31.6500



155.3320, 66.8910, 15.7150



145.9910, 3.0780, -33.7700



125.8670, -113.2880, -28.3920



# Rectangle

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



159.0190, -9.0380, 31.6500



157.9660, 51.2070, 35.6470



145.9910, 3.0780, -33.7700



120.1840, -95.9080, -46.0200

# Sweetspot

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



159.0190, -9.0380, 31.6500



233.1820, -3.0280, 10.8280



181.4590, -40.8970, -2.2170



114.7320, -1.8810, 6.5590



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.



159.0190, -9.0380, 31.6500



167.7280, -12.1120, 43.3120



171.2780, 15.3980, 40.3420



103.4500, -1.1470, 4.2690



38.6020, -19.5440, 67.8800



10.5550, -5.2760, 18.5320



# Inverse Universe

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



171.5600, 31.8590, 33.8670



184.6960, 43.6400, 46.1360



192.7220, -15.3980, -40.3420



105.0870, 4.3090, 4.5090



65.6200, 68.3020, 72.7660



17.8860, 18.6570, 19.8170



# Previews

## White Background



This preview shows how the YIQ color 159.0190, -9.0380, 31.6500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

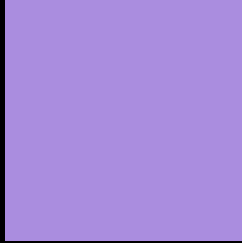
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 159.0190, -9.0380, 31.6500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

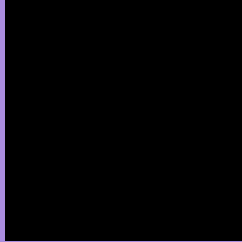
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 159.0190, -9.0380, 31.6500

## Background



This preview shows how black text looks on a background with the YIQ color 159.0190, -9.0380, 31.6500.



This preview shows how white text looks on a background with the YIQ color 159.0190, -9.0380,



# 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

159.0190, -9.0380, 31.6500

### Protanopia

154.6450, -40.5800, 19.5800

### Deuteranopia

154.9460, -34.2980, 15.8620



## Tritanopia

156.1620, -0.2760, 5.0040

# Trichromacy



## Original Color

159.0190, -9.0380, 31.6500

## Protanomaly

156.3260, -29.2560, 23.6080

## Deuteranomaly

156.3110, -24.9000, 21.7560

## Tritanomaly

157.4040, -3.5330, 14.4750

# Monochromacy



## Original Color

159.0190, -9.0380, 31.6500

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

158.7090, -3.0740, 11.6620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.0190, -9.0380, 31.6500 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(170, 141, 223)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 223)  
}
```

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(170, 141, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 223) }
```

## Border

The CSS property to change the border of an element to YIQ 159.0190, -9.0380, 31.6500 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(170, 141, 223) }
```



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

```
.border{ border-color:rgb(170, 141, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 223);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
223) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.0190, -9.0380, 31.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 223) }
```

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

```
.background{ background-color: rgb(170,  
141, 223) }
```

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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