

# Converting Colors

YIQ(69.8160, 19.1010, 99.9090)

Have a look what the booklet for  
YIQ(69.8160, 19.1010, 99.9090)  
contains.

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# Color

**YIQ(69.8160, 19.1010,  
99.9090)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9600DB
RGB	150, 0, 219
RGB Percent	59%, 0%, 86%
CMY	0.4113, 1.0000, 0.1413
CMYK	0.31, 1.00, 0.00, 0.14
HSL	281°, 100%, 43%
HSV	281°, 100%, 86%
XYZ	25.3839, 11.6092, 67.9042
YIQ	69.8160, 19.1010, 99.9090

# Conversions

## Conversions Part 2

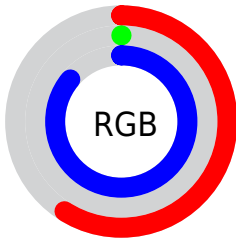
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 0, 219
Decimal	9830619
CIE <sub>Lab</sub>	40.59, 78.08, -73.31
CIE <sub>LCh</sub>	41, 107.098, 316.804
Yxy	11.6092, 0.2420, 0.1107
Android (android.graphics.Color)	4288020699 (0xFF9600DB)
YUV	69.8160, 73.5477, 70.3214
Hunter-Lab	34.0723, 73.3563, -94.3113

# Details

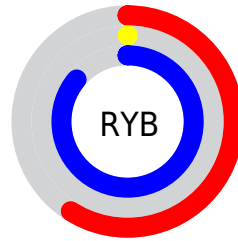
The YIQ color **69.8160, 19.1010, 99.9090** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **149.1840, -19.1010, -99.9090**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.1680, 20.2050, 79.8930**, and **45.4920, 1.3170, 69.7730** is the 20% darker color. If you saturate the color by 10%, you get **69.8160, 19.1010, 99.9090**, and if you desaturate by 10%, it is **84.8230, 17.2230, 89.8870**.

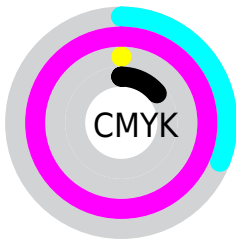
# Distribution



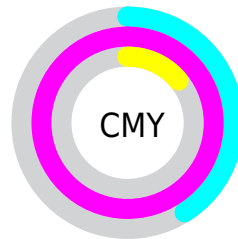
- Red (59%)
- Green (0%)
- Blue (86%)



- Red (59%)
- Yellow (0%)
- Blue (86%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)



- Cyan (41%)
- Magenta (100%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.8160, 19.1010, 99.9090 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 69.8160, 19.1010, 99.9090 by changing the saturation by 10% instead.



69.8160, 19.1010,  
99.9090

69.8160, 19.1010,  
99.9090

255.0000, -0.0000,  
-0.0000

57.5400, 10.5300,  
84.5300

141.1680, 20.2050,  
79.8930

45.4920, 1.3170,  
69.7730

167.4600, 30.7060,  
71.2980

32.7320, -8.7670,  
54.2810

188.6690, 31.0750,  
59.0990

19.9010, -20.0890,  
39.1990

205.6920, 23.1000,  
43.9320

9.5760, -26.9640,  
26.1240

222.7150, 15.1250,  
28.7650

10.2480, -20.5890,  
15.2110

240.3250, 6.8750,

5.3920, -12.4270,

13.0750

10.4610

■ 2.0690, -4.4480,  
3.5200

■ 0.0000, 0.0000,  
0.0000

■ 69.8160, 19.1010,  
99.9090

■ 84.8230, 17.2230,  
89.8870

■ 99.8300, 15.3450,  
79.8650

■ 114.8370, 13.4670,  
69.8430

■ 129.8440, 11.5890,  
59.8210

■ 144.2640, 9.9860,  
50.3220

■ 158.9720, 7.5120,  
40.0880

■ 173.9790, 5.6340,  
30.0660

■ 188.9860, 3.7560,  
20.0440

■ 203.9930, 1.8780,  
10.0220

# Harmonies

## Analogous

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



83.6610, -107.4300, 30.6660



69.8160, 19.1010, 99.9090



82.4090, 88.6100, 90.1940

# Triad

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



69.8160, 19.1010, 99.9090



90.0380, 66.7580, -9.4180



90.4920, -81.1950, -20.8030

# Complementary

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



69.8160, 19.1010, 99.9090



149.1840, -19.1010, -99.9090

# 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.



78.6020, -50.4710, -48.9910



69.8160, 19.1010, 99.9090



83.4400, 11.6990, -41.3330

# Square

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



69.8160, 19.1010, 99.9090



61.2950, 122.1800, 43.4600



69.8530, -32.7250, -62.2370



100.3130, -107.4710, 3.8650



# Rectangle

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



69.8160, 19.1010, 99.9090



79.7980, 114.6550, 75.2230



69.8530, -32.7250, -62.2370



86.4850, -71.2900, -29.6100

# Sweetspot

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



69.8160, 19.1010, 99.9090



203.2120, 6.5960, 34.6600



65.4690, -89.2740, 32.0220



96.5130, 3.7100, 20.8780



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.



69.8160, 19.1010, 99.9090



81.3950, 22.4450, 116.4050



85.8870, 73.0650, 102.0970



102.3470, 0.6410, 4.9050



55.3030, 15.3910, 79.0310



14.5130, 3.7100, 20.8780



# Inverse Universe

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



73.3470, 108.3750, 67.8870



85.3650, 126.3000, 78.9400



133.1130, -73.0650, -102.0970



102.6310, 5.5930, 3.2650



57.9970, 85.4530, 53.7810



15.3500, 22.9220, 14.1060



# Previews

## White Background



This preview shows how the YIQ color 69.8160, 19.1010, 99.9090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

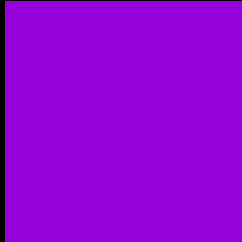
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 69.8160, 19.1010, 99.9090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

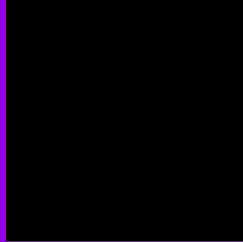
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 69.8160, 19.1010, 99.9090

## Background



This preview shows how black text looks on a background with the YIQ color 69.8160, 19.1010, 99.9090.



This preview shows how white text looks on a background with the YIQ color 69.8160, 19.1010,



# 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

69.8160, 19.1010, 99.9090

### Protanopia

77.7500, -89.4080, 12.4160

### Deuteranopia

78.3080, -82.7120, 1.1920



## Tritanopia

99.2420, 23.1060, 10.7700

# Trichromacy



## Original Color

69.8160, 19.1010, 99.9090

## Protanomaly

75.1490, -49.8460, 44.3460

## Deuteranomaly

75.5590, -45.4890, 36.9670

## Tritanomaly

88.6810, 21.6330, 42.9850

# Monochromacy



## Original Color

69.8160, 19.1010, 99.9090

## Achromatopsia

70.0000, 0.0000, 0.0000

## Achromatomaly

70.1520, 6.8250, 36.0170

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.8160, 19.1010, 99.9090 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, 0, 219)` looks like.

```
.text, #text, p{  
    color:rgb(150, 0, 219)  
}
```

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, 0, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 69.8160, 19.1010, 99.9090 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, 0, 219) }
```



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

```
.border{ border-color:rgb(150, 0, 219) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
219) }
```

# Background

The CSS property to change the background color of an element to YIQ 69.8160, 19.1010, 99.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 219) }
```

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

```
.background{ background-color: rgb(150, 0,  
219) }
```

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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