

# Converting Colors

YIQ(109.7690, 8.1470, 78.1550)

Have a look what the booklet for  
YIQ(109.7690, 8.1470, 78.1550)  
contains.

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# Color

**YIQ(109.7690, 8.1470,  
78.1550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A639EA
RGB	166, 57, 234
RGB Percent	65%, 22%, 92%
CMY	0.3486, 0.7766, 0.0825
CMYK	0.29, 0.76, 0.00, 0.08
HSL	277°, 81%, 57%
HSV	277°, 76%, 92%
XYZ	32.0540, 16.9779, 79.4094
YIQ	109.7690, 8.1470, 78.1550

# Conversions

## Conversions Part 2

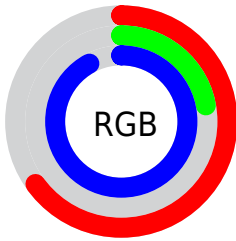
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	166, 57, 234
Decimal	10893802
CIELab	48.23, 71.17, -69.28
CIElCh	48, 99.321, 315.770
Yxy	16.9779, 0.2496, 0.1322
Android (android.graphics.Color)	4289083882 (0xFFA639EA)
YUV	109.7690, 61.2459, 49.3146
Hunter-Lab	41.2043, 66.7527, -85.4214

# Details

The YIQ color  $109.7690, 8.1470, 78.1550$  is a light color, and the websafe version is hex  $9900CC$ . The color can be described as light washed purple. A complement of this color would be  $181.2310, -8.1470, -78.1550$ , and the grayscale version is  $109.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $164.1490, 21.2160, 67.0720$ , and  $52.1710, 6.9550, 77.7310$  is the 20% darker color. If you saturate the color by 10%, you get  $93.5770, 9.1080, 88.2760$ , and if you desaturate by 10%, it is  $125.9610, 7.1860, 68.0340$ .

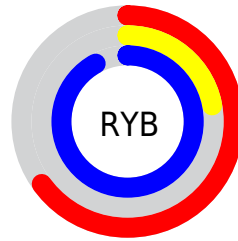
# Distribution



Red (65%)

Green (22%)

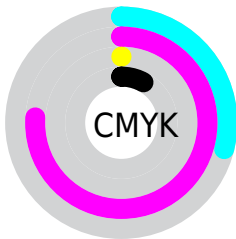
Blue (92%)



Red (65%)

Yellow (22%)

Blue (92%)

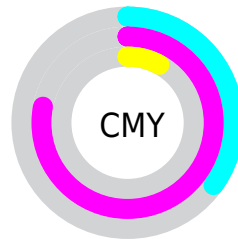


Cyan (29%)

Magenta (76%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (78%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 109.7690, 8.1470, 78.1550 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 109.7690, 8.1470, 78.1550 by changing the saturation by 10% instead.



109.7690, 8.1470,  
78.1550

109.7690, 8.1470,  
78.1550

255.0000, -0.0000,  
-0.0000

76.0730, 10.3470,  
82.3390

164.1490, 21.2160,  
67.0720

52.1710, 6.9550,  
77.7310

189.2560, 30.8000,  
58.5760

40.1230, -2.2580,  
62.9740

205.6920, 23.1000,  
43.9320

27.4770, -12.6630,  
47.7930

222.7150, 15.1250,  
28.7650

12.2540, -28.7530,  
31.0150

240.3250, 6.8750,  
13.0750

8.2080, -23.1120,  
22.3920

7.8200, -16.5080,

12.8360

■ 3.6650, -8.9420,  
7.8740

■ 0.0000, 0.0000,  
0.0000

■ 109.7690, 8.1470,  
78.1550

■ 109.7690, 8.1470,  
78.1550

■ 93.5770, 9.1080,  
88.2760

■ 125.9610, 7.1860,  
68.0340

■ 76.7980, 10.3440,  
98.9200

■ 142.7400, 5.9500,  
57.3900

■ 69.7320, 10.7100,  
103.3020

■ 158.9320, 4.9890,  
47.2690

■ 175.7110, 3.7530,  
36.6250

191.9030, 2.7920,  
26.5040

208.0950, 1.8310,  
16.3830

224.8740, 0.5950,  
5.7390

241.0660, -0.3660,  
-4.3820

250.2140, 1.9730,  
-8.2270

# Harmonies

## Analogous

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



94.8140, -112.6550, 20.7290



109.7690, 8.1470, 78.1550



89.1740, 91.1300, 99.5940

# Triad

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



109.7690, 8.1470, 78.1550



107.7800, 76.1120, -13.7440



103.7140, -90.8680, -27.2200

# Complementary

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



109.7690, 8.1470, 78.1550



181.2310, -8.1470, -78.1550

# 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.



92.5080, -62.0700, -53.5420



109.7690, 8.1470, 78.1550



102.6770, 24.0330, -44.5990

# Square

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



109.7690, 8.1470, 78.1550



85.1840, 126.4460, 32.2220



81.0060, -37.9500, -72.1740



112.6060, -115.9060, -2.9620



# Rectangle

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



109.7690, 8.1470, 78.1550



87.0900, 117.1290, 85.4570



81.0060, -37.9500, -72.1740



100.4080, -81.5590, -36.2390

# Sweetspot

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



109.7690, 8.1470, 78.1550



213.7890, 3.1130, 26.1930



118.8550, -76.3420, 17.9140



102.6820, 1.5560, 15.8600



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.



109.7690, 8.1470, 78.1550



92.2050, 10.7560, 102.4680



128.0490, 54.4530, 86.9730



109.3470, 0.6410, 4.9050



54.1220, 8.6510, 80.0350



16.0230, 2.3340, 23.7900



# Inverse Universe

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



117.6750, 83.6640, 58.6720



102.5140, 109.7030, 76.8630



162.9510, -54.4530, -86.9730



109.7450, 5.2720, 3.5760



61.9850, 85.7270, 59.8310

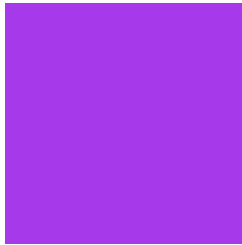


18.5400, 25.4430, 17.9790



# Previews

## White Background



This preview shows how the YIQ color 109.7690, 8.1470, 78.1550 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

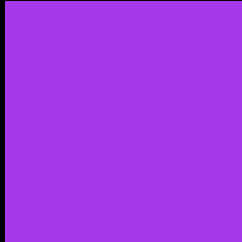
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 109.7690, 8.1470, 78.1550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

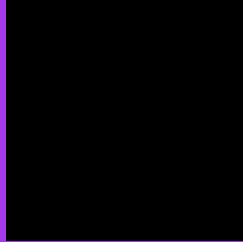
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 109.7690, 8.1470, 78.1550

## Background



This preview shows how black text looks on a background with the YIQ color 109.7690, 8.1470, 78.1550.



This preview shows how white text looks on a background with the YIQ color 109.7690, 8.1470,



# 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

109.7690, 8.1470, 78.1550

### Protanopia

91.8330, -105.6390, 14.7210

### Deuteranopia

91.9350, -97.6590, 2.2530



## Tritanopia

116.4700, 22.4640, 11.3920

# Trichromacy



## Original Color

109.7690, 8.1470, 78.1550



## Protanomaly

98.0330, -64.3790, 37.9010



## Deuteranomaly

98.2150, -59.3800, 29.9000



## Tritanomaly

114.0130, 17.4620, 35.9740

# Monochromacy



## Original Color

109.7690, 8.1470, 78.1550



## Achromatopsia

110.0000, 0.0000, 0.0000



## Achromatomaly

109.9570, 2.7000, 28.1720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 109.7690, 8.1470, 78.1550 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(166, 57, 234)` looks like.

```
.text, #text, p{  
    color:rgb(166, 57, 234)  
}
```

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(166, 57, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 57, 234) }
```

## Border

The CSS property to change the border of an element to YIQ 109.7690, 8.1470, 78.1550 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(166, 57, 234) }
```



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

```
.border{ border-color:rgb(166, 57, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 57, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 57, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 57, 234);  
box-shadow:4px 4px 4px 4px rgb(166, 57,  
234) }
```

# Background

The CSS property to change the background color of an element to YIQ 109.7690, 8.1470, 78.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 57, 234) }
```

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

```
.background{ background-color: rgb(166, 57,  
234) }
```

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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