

# Converting Colors

YIQ(120.9760, 18.8840, 32.2280)

Have a look what the booklet for  
YIQ(120.9760, 18.8840, 32.2280)  
contains.

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# Color

**YIQ(120.9760, 18.8840,  
32.2280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F5F9B
RGB	159, 95, 155
RGB Percent	62%, 37%, 61%
CMY	0.3763, 0.6275, 0.3921
CMYK	0.00, 0.40, 0.03, 0.38
HSL	304°, 25%, 50%
HSV	304°, 40%, 62%
XYZ	24.3145, 17.9223, 33.1914
YIQ	120.9760, 18.8840, 32.2280

# Conversions

## Conversions Part 2

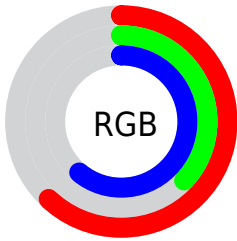
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 95, 155
Decimal	10444699
CIE <sub>Lab</sub>	49.40, 35.50, -21.84
CIE <sub>LCh</sub>	49, 41.680, 328.399
Yxy	17.9223, 0.3224, 0.2376
Android (android.graphics.Color)	4288634779 (0xFF9F5F9B)
YUV	120.9760, 16.7738, 33.3470
Hunter-Lab	42.3347, 28.4338, -16.8504

# Details

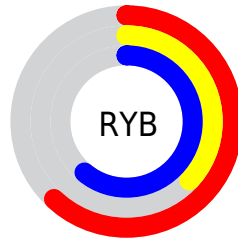
The YIQ color **120.9760, 18.8840, 32.2280** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **133.0240, -18.8840, -32.2280**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5140, 20.3050, 34.0090**, and **70.5520, 17.1420, 30.7580** is the 20% darker color. If you saturate the color by 10%, you get **111.4700, 23.6050, 40.2850**, and if you desaturate by 10%, it is **130.4820, 14.1630, 24.1710**.

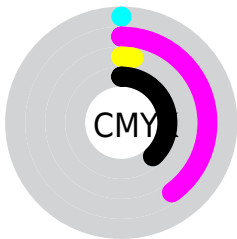
# Distribution



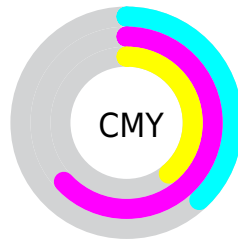
- Red (62%)
- Green (37%)
- Blue (61%)



- Red (62%)
- Yellow (37%)
- Blue (61%)



- Cyan (0%)
- Magenta (40%)
- Yellow (3%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.9760, 18.8840, 32.2280 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 120.9760, 18.8840, 32.2280 by changing the saturation by 10% instead.



■ 120.9760, 18.8840,  
32.2280

■ 120.9760, 18.8840,  
32.2280

■ 255.0000, -0.0000,  
-0.0000

■ 95.2640, 18.0130,  
31.4930

■ 174.5140, 20.3050,  
34.0090

■ 70.5520, 17.1420,  
30.7580

■ 202.2260, 21.1760,  
34.7440

■ 45.5520, 17.1420,  
30.7580

■ 223.8890, 14.5750,  
27.7190

■ 23.1280, 15.4000,  
29.2880

■ 240.3250, 6.8750,  
13.0750

■ 15.0530, 10.8170,  
18.7290

■ 1.0260, -2.8890,  
2.7990

■ 0.0000, 0.0000,

0.0000

120.9760, 18.8840,  
32.2280

120.9760, 18.8840,  
32.2280

111.4700, 23.6050,  
40.2850

130.4820, 14.1630,  
24.1710

101.9640, 28.3260,  
48.3420

139.9880, 9.4420,  
16.1140

92.4580, 33.0470,  
56.3990

149.4940, 4.7210,  
8.0570

82.9520, 37.7680,  
64.4560

159.0000, -0.0000,  
0.0000

73.4460, 42.4890,  
72.5130

168.5060, -4.7210,  
-8.0570

64.5270, 46.9350,  
80.0470

177.4250, -9.1670,  
-15.5910

■ 186.9310,  
-13.8880, -23.6480

■ 196.4370,  
-18.6090, -31.7050

■ 205.9430,  
-23.3300, -39.7620

# Harmonies

## Analogous

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



119.1870, -18.6190, 23.5650



120.9760, 18.8840, 32.2280



118.6830, 44.5140, 30.2900

# Triad

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



120.9760, 18.8840, 32.2280



114.0820, 37.0950, -16.9930



96.3450, -85.2750, -23.9550

# Complementary

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



120.9760, 18.8840, 32.2280



133.0240, -18.8840, -32.2280

# 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.



92.2410, -73.7190, -35.1510



120.9760, 18.8840, 32.2280



110.3990, 10.9170, -27.1550

# Square

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



120.9760, 18.8840, 32.2280



116.1200, 52.2680, -0.1160



103.8320, -27.0910, -32.1710



96.4880, -92.5670, -12.9430



# Rectangle

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



120.9760, 18.8840, 32.2280



117.4310, 53.7310, 22.9390



103.8320, -27.0910, -32.1710



95.0910, -81.7440, -27.3760

# Sweetspot

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



120.9760, 18.8840, 32.2280



192.0970, 7.5170, 12.4530



103.1930, -18.7560, 20.5400



96.0810, 4.4460, 7.5340



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



120.9760, 18.8840, 32.2280



147.5020, 29.7470, 50.1230



117.4420, 28.8350, 22.5870



74.3040, 2.2000, 4.1840



58.0330, 42.2140, 71.9900



6.0810, 4.4460, 7.5340



# Inverse Universe

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



120.9760, 18.8840, 32.2280



147.5020, 29.7470, 50.1230



136.5580, -28.8350, -22.5870



74.3040, 2.2000, 4.1840



58.0330, 42.2140, 71.9900

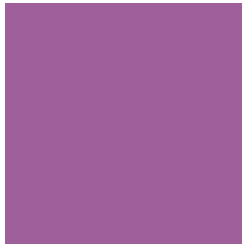


6.0810, 4.4460, 7.5340



# Previews

## White Background



This preview shows how the YIQ color 120.9760, 18.8840, 32.2280 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 120.9760, 18.8840, 32.2280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

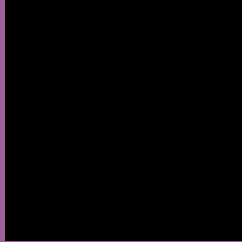
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.9760, 18.8840, 32.2280

## Background



This preview shows how black text looks on a background with the YIQ color 120.9760, 18.8840, 32.2280.



This preview shows how white text looks on a background with the YIQ color 120.9760, 18.8840,



# 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

120.9760, 18.8840, 32.2280

### Protanopia

117.4860, -27.1910, 13.7130

### Deuteranopia

118.7940, -13.6190, 10.0370



## Tritanopia

119.8620, 27.2320, 13.0880

# Trichromacy



## Original Color

120.9760, 18.8840, 32.2280

## Protanomaly

118.3850, -10.5490, 20.4830

## Deuteranomaly

119.2950, -1.6080, 18.1360

## Tritanomaly

120.5230, 24.1130, 20.0570

# Monochromacy



## Original Color

120.9760, 18.8840, 32.2280

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

121.2710, 6.9670, 11.4070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.9760, 18.8840, 32.2280 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(159, 95, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 95, 155)  
}
```

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(159, 95, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 95, 155) }
```

## Border

The CSS property to change the border of an element to YIQ 120.9760, 18.8840, 32.2280 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(159, 95, 155) }
```



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

```
.border{ border-color:rgb(159, 95, 155) }
```

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

Here you see how a box with a 4 pixel rgb(159, 95, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 95, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 95, 155);  
box-shadow:4px 4px 4px 4px rgb(159, 95,  
155) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.9760, 18.8840, 32.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 95, 155) }
```

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

```
.background{ background-color: rgb(159, 95,  
155) }
```

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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