

# Converting Colors

YIQ(120.2700, 17.8760, 28.4680)

Have a look what the booklet for  
YIQ(120.2700, 17.8760, 28.4680)  
contains.

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# Color

**YIQ(120.2700, 17.8760,  
28.4680)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 9B6195                     |
| RGB           | 155, 97, 149               |
| RGB Percent   | 61%, 38%, 58%              |
| CMY           | 0.3920, 0.6197, 0.4157     |
| CMYK          | 0.00, 0.37, 0.04, 0.39     |
| HSL           | 306°, 23%, 49%             |
| HSV           | 306°, 37%, 61%             |
| XYZ           | 23.2238, 17.6879, 30.6271  |
| YIQ           | 120.2700, 17.8760, 28.4680 |

# Conversions

## Conversions Part 2

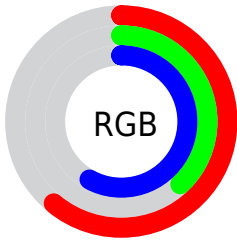
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 155, 97, 149                  |
| Decimal                             | 10183061                      |
| CIE <sub>Lab</sub>                  | 49.12, 31.92, -18.77          |
| CIE <sub>LCh</sub>                  | 49, 37.028, 329.533           |
| Yxy                                 | 17.6879, 0.3246,<br>0.2472    |
| Android<br>(android.graphics.Color) | 4288373141<br>(0xFF9B6195)    |
| YUV                                 | 120.2700, 14.1639,<br>30.4582 |
| Hunter-Lab                          | 42.0570, 24.9675,<br>-13.7367 |

# Details

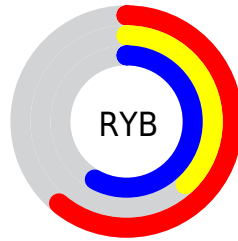
The YIQ color  $120.2700, 17.8760, 28.4680$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $131.7300, -17.8760, -28.4680$ , and the grayscale version is  $120.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $173.3950, 19.0220, 29.7260$ , and  $69.8460, 16.1340, 26.9980$  is the 20% darker color. If you saturate the color by 10%, you get  $110.6500, 22.9180, 36.2140$ , and if you desaturate by 10%, it is  $129.3030, 13.1090, 21.2450$ .

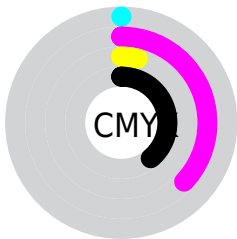
# Distribution



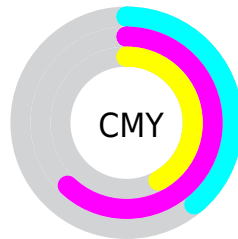
- Red (61%)
- Green (38%)
- Blue (58%)



- Red (61%)
- Yellow (38%)
- Blue (58%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (39%)



- Cyan (39%)
- Magenta (62%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.2700, 17.8760, 28.4680 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 120.2700, 17.8760, 28.4680 by changing the saturation by 10% instead.



■ 120.2700, 17.8760,  
28.4680

■ 120.2700, 17.8760,  
28.4680

■ 255.0000, -0.0000,  
-0.0000

■ 94.5580, 17.0050,  
27.7330

■ 173.3950, 19.0220,  
29.7260

■ 70.1450, 16.7300,  
27.2100

■ 201.1070, 19.8930,  
30.4610

■ 46.1340, 15.2630,  
26.2630

■ 224.4760, 14.3000,  
27.1960

■ 21.6610, 15.2170,  
27.0970

■ 241.4990, 6.3250,  
12.0290

■ 13.7000, 10.3130,  
16.8490

■ 0.0000, 0.0000,  
0.0000

120.2700, 17.8760,  
28.4680

120.2700, 17.8760,  
28.4680

110.6500, 22.9180,  
36.2140

129.3030, 13.1090,  
21.2450

101.7310, 27.3640,  
43.7480

138.8090, 8.3880,  
13.1880

92.1110, 32.4060,  
51.4940

147.8420, 3.6210,  
5.9650

83.1920, 36.8520,  
59.0280

157.3480, -1.1000,  
-2.0920

73.5720, 41.8940,  
66.7740

166.9680, -6.1420,  
-9.8380

64.5390, 46.6610,  
73.9970


176.0010,  
-10.9090, -17.0610

62.1910, 47.7610,  
76.0890

185.5070,  
-15.6300, -25.1180

194.5400,

-20.3970, -32.3410

 204.1600,  
-25.4390, -40.0870

# Harmonies

## Analogous

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



118.7590, -14.5380, 21.1900



120.2700, 17.8760, 28.4680



118.8950, 40.8010, 25.9930

# Triad

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



120.2700, 17.8760, 28.4680



114.0970, 32.7390, -15.1410



94.2420, -83.4870, -23.3190

# Complementary

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



120.2700, 17.8760, 28.4680



131.7300, -17.8760, -28.4680

# 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.



91.1810, -73.4900, -33.7940



120.2700, 17.8760, 28.4680



110.7240, 8.6240, -24.1440

# Square

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



120.2700, 17.8760, 28.4680



115.7820, 47.4080, -0.1440



105.0220, -24.5700, -28.2980



94.5160, -89.7700, -14.0740



# Rectangle

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



120.2700, 17.8760, 28.4680



117.6860, 48.4590, 19.3630



105.0220, -24.5700, -28.2980



93.6890, -80.5520, -26.9520

# Sweetspot

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



120.2700, 17.8760, 28.4680



187.8580, 6.6920, 10.8840



105.4060, -15.0420, 19.3100



94.2550, 3.8960, 6.4880



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



120.2700, 17.8760, 28.4680



147.1440, 27.6390, 44.2710



116.9640, 27.1850, 19.4490



72.1900, 2.5210, 3.8730



56.2240, 42.9940, 68.8660



5.1410, 4.2170, 6.1770



# Inverse Universe

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



120.2700, 17.8760, 28.4680



147.1440, 27.6390, 44.2710



135.0360, -27.1850, -19.4490



72.1900, 2.5210, 3.8730



56.2240, 42.9940, 68.8660



5.1410, 4.2170, 6.1770



# Previews

## White Background



This preview shows how the YIQ color 120.2700, 17.8760, 28.4680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

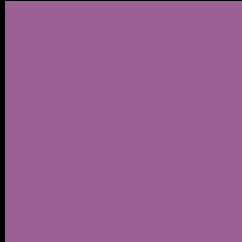
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 120.2700, 17.8760, 28.4680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

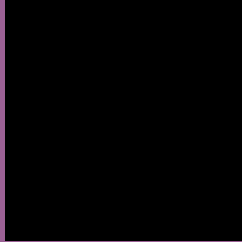
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.2700, 17.8760, 28.4680

## Background



This preview shows how black text looks on a background with the YIQ color 120.2700, 17.8760, 28.4680.



This preview shows how white text looks on a background with the YIQ color 120.2700, 17.8760,



# 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

120.2700, 17.8760, 28.4680

### Protanopia

116.8840, -22.5600, 12.3840

### Deuteranopia

118.2350, -10.5470, 9.4290



## Tritanopia

118.6660, 24.8480, 12.2400

# Trichromacy



## Original Color

120.2700, 17.8760, 28.4680

## Protanomaly

117.8860, -7.7060, 18.5180

## Deuteranomaly

118.7250, -0.0030, 16.5810

## Tritanomaly

118.9850, 22.6920, 18.2760

# Monochromacy



## Original Color

120.2700, 17.8760, 28.4680

## Achromatopsia

120.0000, -0.0000, -0.0000

## Achromatomaly

120.4450, 6.4170, 10.3610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.2700, 17.8760, 28.4680 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(155, 97, 149)` looks like.

```
.text, #text, p{  
    color:rgb(155, 97, 149)  
}
```

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(155, 97, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 97, 149) }
```

## Border

The CSS property to change the border of an element to YIQ 120.2700, 17.8760, 28.4680 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(155, 97, 149) }
```



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

```
.border{ border-color:rgb(155, 97, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 97, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 97, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 97, 149);  
box-shadow:4px 4px 4px 4px rgb(155, 97,  
149) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.2700, 17.8760, 28.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 97, 149) }
```

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

```
.background{ background-color: rgb(155, 97,  
149) }
```

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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