

# Converting Colors

YIQ(122.8460, 6.9660, 16.9340)

Have a look what the booklet for  
YIQ(122.8460, 6.9660, 16.9340)  
contains.

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# Color

**YIQ(122.8460, 6.9660,  
16.9340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C6E90
RGB	140, 110, 144
RGB Percent	55%, 43%, 56%
CMY	0.4509, 0.5687, 0.4353
CMYK	0.03, 0.24, 0.00, 0.44
HSL	293°, 13%, 50%
HSV	293°, 24%, 56%
XYZ	21.4278, 18.7403, 28.8736
YIQ	122.8460, 6.9660, 16.9340

# Conversions

## Conversions Part 2

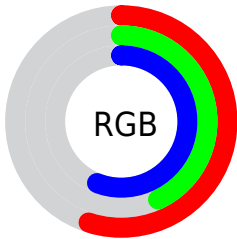
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 110, 144
Decimal	9203344
CIE <sub>Lab</sub>	50.38, 18.18, -14.04
CIE <sub>LCh</sub>	50, 22.972, 322.323
Yxy	18.7403, 0.3104, 0.2714
Android (android.graphics.Color)	4287393424 (0xFF8C6E90)
YUV	122.8460, 10.4289, 15.0441
Hunter-Lab	43.2901, 12.5969, -9.2422

# Details

The YIQ color  $122.8460, 6.9660, 16.9340$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $131.1540, -6.9660, -16.9340$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $175.6720, 7.5160, 17.9800$ , and  $73.7210, 5.8200, 15.6760$  is the 20% darker color. If you saturate the color by 10%, you get  $114.0300, 9.6240, 23.8320$ , and if you desaturate by 10%, it is  $131.6620, 4.3080, 10.0360$ .

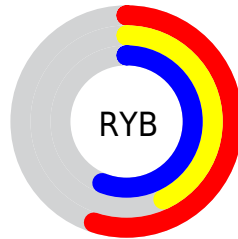
# Distribution



Red (55%)

Green (43%)

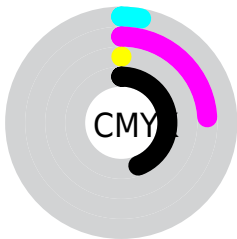
Blue (56%)



Red (55%)

Yellow (43%)

Blue (56%)

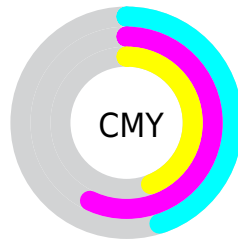


Cyan (3%)

Magenta (24%)

Yellow (0%)

Black (44%)



Cyan (45%)

Magenta (57%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 122.8460, 6.9660, 16.9340 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 122.8460, 6.9660, 16.9340 by changing the saturation by 10% instead.



122.8460, 6.9660,  
16.9340

122.8460, 6.9660,  
16.9340

255.0000, -0.0000,  
-0.0000

97.4330, 6.6910,  
16.4110

175.6720, 7.5160,  
17.9800

73.7210, 5.8200,  
15.6760

203.0850, 7.7910,  
18.5030

51.1940, 5.8660,  
14.8420

231.4980, 8.0660,  
19.0260

29.3680, 5.3160,  
13.7960

249.1300, 2.7500,  
5.2300

10.5530, 6.2330,  
13.6970

0.0000, 0.0000,  
0.0000

122.8460, 6.9660,  
16.9340

122.8460, 6.9660,  
16.9340

114.0300, 9.6240,  
23.8320

131.6620, 4.3080,  
10.0360

104.9260, 13.1530,  
31.4650

140.7660, 0.7790,  
2.4030

96.1100, 15.8110,  
38.3630

149.5820, -1.8790,  
-4.4950

86.7070, 18.7440,  
45.7840

158.9850, -4.8120,  
-11.9160

78.1900, 21.9980,  
52.8940

167.5020, -8.0660,  
-19.0260

69.3740, 24.6560,  
59.7920

176.3180,  
-10.7240, -25.9240

59.9710, 27.5890,  
67.2130


185.7210,  
-13.6570, -33.3450

54.3890, 29.4680,

194.2380,

71.7080

-16.9110, -40.4550

 203.6410,  
-19.8440, -47.8760

# Harmonies

## Analogous

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



121.1470, -13.1150, 11.9170



122.8460, 6.9660, 16.9340



122.9310, 22.7840, 16.6080

# Triad

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



122.8460, 6.9660, 16.9340



119.1750, 24.0720, -6.7440



109.8140, -43.8750, -14.3310

# Complementary

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



122.8460, 6.9660, 16.9340



131.1540, -6.9660, -16.9340

# 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.



111.4320, -28.2400, -16.8480



122.8460, 6.9660, 16.9340



117.2440, 10.4560, -13.2880

# Square

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



122.8460, 6.9660, 16.9340



120.5770, 32.0480, 2.8960



114.6700, -8.4790, -17.0470



111.0730, -45.8020, -6.9380



# Rectangle

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



122.8460, 6.9660, 16.9340



121.9440, 29.9370, 13.6250



114.6700, -8.4790, -17.0470



110.0270, -40.1610, -15.5610

# Sweetspot

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



122.8460, 6.9660, 16.9340



178.0700, 2.9790, 6.5870



116.8110, -12.2890, 7.9590



89.5920, 1.3290, 3.4490



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



122.8460, 6.9660, 16.9340



153.6820, 10.7240, 25.9240



122.6740, 13.2020, 14.0500



66.8910, 1.9250, 3.6610



50.9710, 27.5890, 67.2130



3.0050, 1.6040, 3.9720



# Inverse Universe

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



120.6220, 18.9800, 8.4520



150.2320, 29.0660, 12.8900



131.3260, -13.2020, -14.0500



66.2070, 3.8510, 1.7950



42.1890, 75.3240, 33.5960



2.5060, 4.4470, 2.0070



# Previews

## White Background



This preview shows how the YIQ color 122.8460, 6.9660, 16.9340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

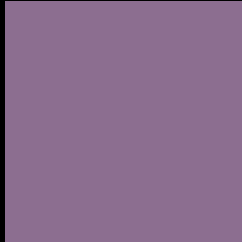
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 122.8460, 6.9660, 16.9340 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 122.8460, 6.9660, 16.9340

## Background



This preview shows how black text looks on a background with the YIQ color 122.8460, 6.9660, 16.9340.



This preview shows how white text looks on a background with the YIQ color 122.8460, 6.9660,



# 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

122.8460, 6.9660, 16.9340

### Protanopia

120.7400, -13.5270, 8.3690

### Deuteranopia

121.1600, -5.9620, 8.9340



## Tritanopia

121.9030, 10.8190, 7.6750

# Trichromacy



## Original Color

122.8460, 6.9660, 16.9340

## Protanomaly

121.7410, -6.1000, 11.4360

## Deuteranomaly

121.4920, -0.9650, 11.9870

## Tritanomaly

122.5270, 9.1220, 10.8980

# Monochromacy



## Original Color

122.8460, 6.9660, 16.9340

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.7710, 2.3830, 6.3750

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 122.8460, 6.9660, 16.9340 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(140, 110, 144)` looks like.

```
.text, #text, p{  
    color:rgb(140, 110, 144)  
}
```

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(140, 110, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 110, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 122.8460, 6.9660, 16.9340 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(140, 110, 144) }
```



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

```
.border{ border-color:rgb(140, 110, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 110, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 110, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 110, 144);  
box-shadow:4px 4px 4px 4px rgb(140, 110,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 122.8460, 6.9660, 16.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 110, 144) }
```

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

```
.background{ background-color: rgb(140,  
110, 144) }
```

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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