

# Converting Colors

YIQ(108.8080, 10.1290, 20.1850)

Have a look what the booklet for  
YIQ(108.8080, 10.1290, 20.1850)  
contains.

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# Color

**YIQ(108.8080, 10.1290,  
20.1850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	835D84
RGB	131, 93, 132
RGB Percent	51%, 36%, 52%
CMY	0.4862, 0.6353, 0.4823
CMYK	0.01, 0.30, 0.00, 0.48
HSL	299°, 17%, 44%
HSV	299°, 30%, 52%
XYZ	17.4426, 14.3196, 23.6753
YIQ	108.8080, 10.1290, 20.1850

# Conversions

## Conversions Part 2

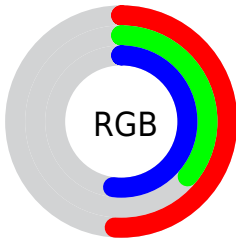
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 93, 132
Decimal	8609156
CIE <sub>Lab</sub>	44.69, 22.55, -15.63
CIE <sub>LCh</sub>	45, 27.439, 325.272
Yxy	14.3196, 0.3146, 0.2583
Android (android.graphics.Color)	4286799236 (0xFF835D84)
YUV	108.8080, 11.4337, 19.4624
Hunter-Lab	37.8412, 16.0561, -10.6059

# Details

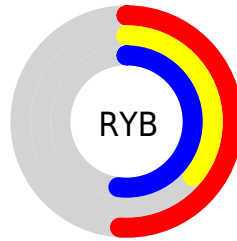
The YIQ color **108.8080, 10.1290, 20.1850** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **116.1920, -10.1290, -20.1850**, and the grayscale version is **109.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **160.9330, 11.2750, 21.4430**, and **60.5690, 9.3040, 18.6160** is the 20% darker color. If you saturate the color by 10%, you get **101.1770, 13.7040, 26.9840**, and if you desaturate by 10%, it is **116.4390, 6.5540, 13.3860**.

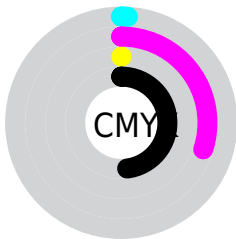
# Distribution



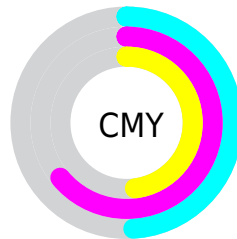
- Red (51%)
- Green (36%)
- Blue (52%)



- Red (51%)
- Yellow (36%)
- Blue (52%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (48%)



- Cyan (49%)
- Magenta (64%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 108.8080, 10.1290, 20.1850 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 108.8080, 10.1290, 20.1850 by changing the saturation by 10% instead.



■ 108.8080, 10.1290,  
20.1850

■ 108.8080, 10.1290,  
20.1850

■ 255.0000, -0.0000,  
-0.0000

■ 84.0960, 9.2580,  
19.4500

■ 160.9330, 11.2750,  
21.4430

■ 60.5690, 9.3040,  
18.6160

■ 187.4600, 11.2290,  
22.2770

■ 37.8570, 8.4330,  
17.8810

■ 215.7590, 11.8250,  
22.4890

■ 15.6830, 8.9830,  
18.9270

■ 237.9770, 7.9750,  
15.1670

■ 2.2970, -5.0900,  
4.1420

■ 0.0000, 0.0000,  
0.0000

108.8080, 10.1290,  
20.1850

108.8080, 10.1290,  
20.1850

101.1770, 13.7040,  
26.9840

116.4390, 6.5540,  
13.3860

93.2470, 16.6830,  
33.5710

124.3690, 3.5750,  
6.7990

85.0290, 20.5330,  
40.8930

132.5870, -0.2750,  
-0.5230

77.3980, 24.1080,  
47.6920

140.2180, -3.8500,  
-7.3220

69.4680, 27.0870,  
54.2790

148.1480, -6.8290,  
-13.9090

61.8370, 30.6620,  
61.0780

155.7790,  
-10.4040, -20.7080

54.2060, 34.2370,  
67.8770


163.4100,  
-13.9790, -27.5070

53.6190, 34.5120,

171.9270,

68.4000

-17.2330, -34.6170

 179.5580,  
-20.8080, -41.4160

# Harmonies

## Analogous

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



106.8420, -13.5740, 14.7300



108.8080, 10.1290, 20.1850



108.1490, 28.1020, 19.3500

# Triad

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



108.8080, 10.1290, 20.1850



104.3770, 26.3190, -8.9210



83.4020, -72.2540, -23.1500

# Complementary

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



108.8080, 10.1290, 20.1850



116.1920, -10.1290, -20.1850

# 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.



93.6370, -39.2430, -21.1870



108.8080, 10.1290, 20.1850



102.0650, 9.4020, -16.2140

# Square

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



108.8080, 10.1290, 20.1850



105.7900, 35.7620, 1.6660



98.6370, -12.8800, -19.8880



89.7870, -65.6080, -11.4320



# Rectangle

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



108.8080, 10.1290, 20.1850



107.3360, 34.7050, 15.3210



98.6370, -12.8800, -19.8880



87.3880, -60.4710, -21.9350

# Sweetspot

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



108.8080, 10.1290, 20.1850



161.3090, 3.8040, 8.1560



98.0330, -12.7940, 11.6060



80.8310, 2.1540, 5.0180



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



108.8080, 10.1290, 20.1850



135.1820, 15.3080, 30.9560



107.0550, 16.5030, 14.7990



62.4780, 1.6500, 3.1380



52.7930, 33.9620, 67.3540



0.9400, 0.2290, 1.3570



# Inverse Universe

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



104.7750, 22.9230, 8.5790



129.1680, 35.1180, 13.3420



117.9450, -16.5030, -14.7990



61.7940, 3.5760, 1.2720



39.2120, 76.5170, 28.4930

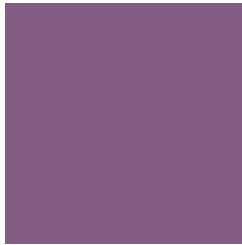


0.8970, 1.7880, 0.6360



# Previews

## White Background



This preview shows how the YIQ color 108.8080, 10.1290, 20.1850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

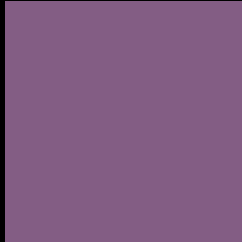
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 108.8080, 10.1290, 20.1850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

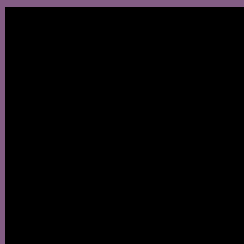
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 108.8080, 10.1290, 20.1850

## Background



This preview shows how black text looks on a background with the YIQ color 108.8080, 10.1290, 20.1850.



This preview shows how white text looks on a background with the YIQ color 108.8080, 10.1290,



# 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

108.8080, 10.1290, 20.1850

### Protanopia

106.2990, -16.5990, 8.9770

### Deuteranopia

106.9640, -8.3460, 8.0860



## Tritanopia

107.5830, 14.7160, 8.6360

# Trichromacy



## Original Color

108.8080, 10.1290, 20.1850

## Protanomaly

107.4960, -6.7880, 12.8920

## Deuteranomaly

107.7200, -1.6070, 12.6090

## Tritanomaly

107.7340, 12.9730, 12.6930

# Monochromacy



## Original Color

108.8080, 10.1290, 20.1850

## Achromatopsia

109.0000, -0.0000, 0.0000

## Achromatomaly

108.7820, 3.8500, 7.3220

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 108.8080, 10.1290, 20.1850 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(131, 93, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 93, 132)  
}
```

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(131, 93, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 93, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 108.8080, 10.1290, 20.1850 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(131, 93, 132) }
```



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

```
.border{ border-color:rgb(131, 93, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 93, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 93, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 93, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 93,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 108.8080, 10.1290, 20.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 93, 132) }
```

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

```
.background{ background-color: rgb(131, 93,  
132) }
```

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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