

# Converting Colors

YIQ(138.8300, 3.8950, 12.0150)

Have a look what the booklet for  
YIQ(138.8300, 3.8950, 12.0150)  
contains.

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# Color

**YIQ(138.8300, 3.8950,  
12.0150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	96829B
RGB	150, 130, 155
RGB Percent	59%, 51%, 61%
CMY	0.4117, 0.4902, 0.3922
CMYK	0.03, 0.16, 0.00, 0.39
HSL	288°, 11%, 56%
HSV	288°, 16%, 61%
XYZ	26.4785, 24.8151, 34.4041
YIQ	138.8300, 3.8950, 12.0150

# Conversions

## Conversions Part 2

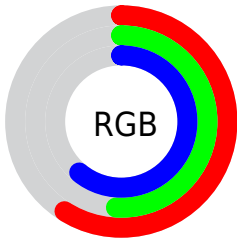
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 130, 155
Decimal	9863835
CIE <sub>Lab</sub>	56.89, 12.35, -10.54
CIE <sub>LCh</sub>	57, 16.238, 319.523
Yxy	24.8151, 0.3090, 0.2896
Android (android.graphics.Color)	4288053915 (0xFF96829B)
YUV	138.8300, 7.9718, 9.7961
Hunter-Lab	49.8148, 7.7037, -6.0778

# Details

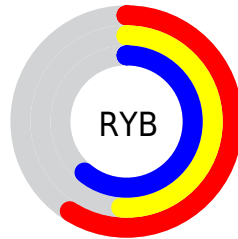
The YIQ color  $138.8300, 3.8950, 12.0150$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $146.1700, -3.8950, -12.0150$ , and the grayscale version is  $139.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $192.2430, 4.1700, 12.5380$ , and  $89.0040, 3.3450, 10.9690$  is the 20% darker color. If you saturate the color by 10%, you get  $128.5410, 6.5070, 19.7470$ , and if you desaturate by 10%, it is  $148.5320, 1.5580, 4.8060$ .

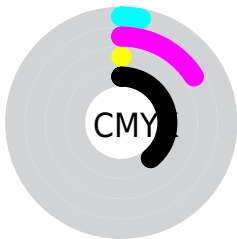
# Distribution



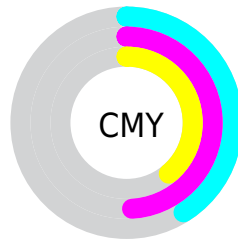
- Red (59%)
- Green (51%)
- Blue (61%)



- Red (59%)
- Yellow (51%)
- Blue (61%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (39%)



- Cyan (41%)
- Magenta (49%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 138.8300, 3.8950, 12.0150 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 138.8300, 3.8950, 12.0150 by changing the saturation by 10% instead.



■ 138.8300, 3.8950,  
12.0150

■ 138.8300, 3.8950,  
12.0150

255.0000, -0.0000,  
-0.0000

■ 113.4170, 3.6200,  
11.4920

■ 192.2430, 4.1700,  
12.5380

■ 89.0040, 3.3450,  
10.9690

■ 220.6560, 4.4450,  
13.0610

■ 65.5910, 3.0700,  
10.4460

■ 245.6080, 4.4000,  
8.3680

■ 43.1780, 2.7950,  
9.9230

■ 22.0640, 3.1160,  
9.6120

■ 1.3680, -3.8520,  
3.7320

■ 0.0000, 0.0000,

0.0000

■ 138.8300, 3.8950,  
12.0150

■ 138.8300, 3.8950,  
12.0150

■ 128.5410, 6.5070,  
19.7470

■ 148.5320, 1.5580,  
4.8060

■ 118.8390, 8.8440,  
26.9560

■ 158.8210, -1.0540,  
-2.9260

■ 108.5500, 11.4560,  
34.6880

■ 168.5230, -3.3910,  
-10.1350

■ 98.8480, 13.7930,  
41.8970

■ 178.8120, -6.0030,  
-17.8670

■ 88.5590, 16.4050,  
49.6290

■ 188.5140, -8.3400,  
-25.0760

■ 78.5580, 18.1460,  
56.6260

■ 199.1020,  
-10.3560, -32.5960

■ 68.2690, 20.7580,  
64.3580

■ 208.8040,  
-12.6930, -39.8050

■ 58.5670, 23.0950,  
71.5670

■ 219.0930,  
-15.3050, -47.5370

■ 54.7460, 24.1490,  
74.4930

■ 220.5770,  
-13.7920, -47.4240

# Harmonies

## Analogous

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



137.5940, -10.1800, 8.2840



138.8300, 3.8950, 12.0150



139.1750, 16.0450, 12.0850

# Triad

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



138.8300, 3.8950, 12.0150



136.5320, 18.7530, -3.9590



131.2460, -27.4160, -9.7520

# Complementary

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



138.8300, 3.8950, 12.0150



146.1700, -3.8950, -12.0150

# 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.



131.4550, -17.8790, -11.8870



138.8300, 3.8950, 12.0150



135.3950, 8.7130, -9.2310

# Square

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



138.8300, 3.8950, 12.0150



137.9720, 23.5660, 2.4300



132.9850, -4.8120, -11.9160



132.1520, -29.8470, -4.2390



# Rectangle

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



138.8300, 3.8950, 12.0150



139.2310, 21.6390, 9.8230



132.9850, -4.8120, -11.9160



131.0890, -25.5360, -10.7840

# Sweetspot

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



138.8300, 3.8950, 12.0150



194.5320, 1.5580, 4.8060



135.7850, -9.4000, 5.1600



98.1790, 1.0540, 2.9260



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.



138.8300, 3.8950, 12.0150



176.6010, 6.2780, 18.3900



139.4130, 9.4430, 10.5870



71.7060, 1.0080, 3.7600



49.4480, 21.8120, 67.2840



4.4720, 1.7870, 6.1630



# Inverse Universe

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



138.0450, 13.2950, 6.8550



175.2740, 20.0800, 10.5440



145.4730, -9.1220, -10.8980



71.5060, 4.4470, 2.0070



45.0520, 74.4520, 38.3880

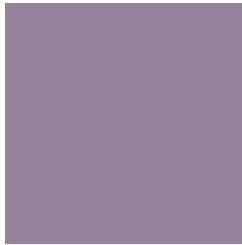


4.2290, 6.7850, 3.6890



# Previews

## White Background



This preview shows how the YIQ color 138.8300, 3.8950, 12.0150 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 138.8300, 3.8950, 12.0150 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 138.8300, 3.8950, 12.0150

## Background



This preview shows how black text looks on a background with the YIQ color 138.8300, 3.8950, 12.0150.



This preview shows how white text looks on a background with the YIQ color 138.8300, 3.8950,



# 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

138.8300, 3.8950, 12.0150

### Protanopia

137.4260, -9.7670, 6.3050

### Deuteranopia

138.0850, -1.3770, 8.4390



## Tritanopia

138.0380, 6.0050, 6.8130

# Trichromacy



## Original Color

138.8300, 3.8950, 12.0150

## Protanomaly

138.2310, -4.7240, 8.5240

## Deuteranomaly

138.3950, 0.6860, 9.5980

## Tritanomaly

138.2060, 5.5920, 8.7920

# Monochromacy



## Original Color

138.8300, 3.8950, 12.0150

## Achromatopsia

139.0000, -0.0000, 0.0000

## Achromatomaly

139.1190, 1.2830, 4.2830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 138.8300, 3.8950, 12.0150 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(150, 130, 155)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 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(150, 130, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 155) }
```

## Border

The CSS property to change the border of an element to YIQ 138.8300, 3.8950, 12.0150 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(150, 130, 155) }
```



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

```
.border{ border-color:rgb(150, 130, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 155);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
155) }
```

# Background

The CSS property to change the background color of an element to YIQ 138.8300, 3.8950, 12.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 155) }
```

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

```
.background{ background-color: rgb(150,  
130, 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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