

# Converting Colors

YIQ(78.8780, 39.4710, 28.0710)

Have a look what the booklet for  
YIQ(78.8780, 39.4710, 28.0710)  
contains.

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# Color

**YIQ(78.8780, 39.4710,  
28.0710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	863253
RGB	134, 50, 83
RGB Percent	53%, 20%, 33%
CMY	0.4743, 0.8040, 0.6744
CMYK	0.00, 0.63, 0.38, 0.47
HSL	336°, 46%, 36%
HSV	336°, 63%, 53%
XYZ	12.5422, 7.9762, 9.0689
YIQ	78.8780, 39.4710, 28.0710

# Conversions

## Conversions Part 2

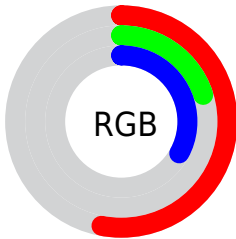
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 50, 83
Decimal	8794707
CIE <sub>Lab</sub>	33.93, 39.33, -1.25
CIE <sub>LCh</sub>	34, 39.345, 358.178
Yxy	7.9762, 0.4239, 0.2696
Android (android.graphics.Color)	4286984787 (0xFF863253)
YUV	78.8780, 2.0321, 48.3420
Hunter-Lab	28.2422, 29.8472, 0.7308

# Details

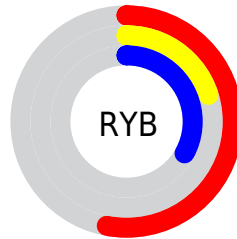
The YIQ color **78.8780, 39.4710, 28.0710** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **105.1220, -39.4710, -28.0710**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **131.1450, 43.0930, 28.5090**, and **28.2520, 35.4820, 28.7780** is the 20% darker color. If you saturate the color by 10%, you get **70.3350, 45.6140, 32.3820**, and if you desaturate by 10%, it is **87.4210, 33.3280, 23.7600**.

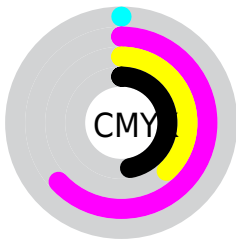
# Distribution



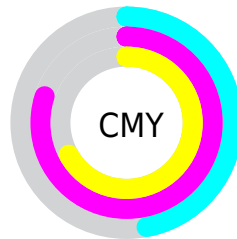
- Red (53%)
- Green (20%)
- Blue (33%)



- Red (53%)
- Yellow (20%)
- Blue (33%)



- Cyan (0%)
- Magenta (63%)
- Yellow (38%)
- Black (47%)



- Cyan (47%)
- Magenta (80%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.8780, 39.4710, 28.0710 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 78.8780, 39.4710, 28.0710 by changing the saturation by 10% instead.



■ 78.8780, 39.4710,  
28.0710

■ 78.8780, 39.4710,  
28.0710

■ 255.0000, -0.0000,  
-0.0000

■ 52.3340, 38.1870,  
29.3150

■ 131.1450, 43.0930,  
28.5090

■ 28.2520, 35.4820,  
28.7780

■ 158.0420, 44.8810,  
29.1450

■ 18.7960, 27.5980,  
17.4700

■ 185.6400, 46.0730,  
29.5690

■ 7.8880, 15.1750,  
5.8230

■ 206.7740, 33.8320,  
25.6400

■ 0.0000, 0.0000,  
0.0000

■ 226.4020, 17.1440,  
19.7040

■ 245.0210, 4.6750,

8.8910

■ 78.8780, 39.4710,  
28.0710

■ 78.8780, 39.4710,  
28.0710

■ 70.3350, 45.6140,  
32.3820

■ 87.4210, 33.3280,  
23.7600

■ 61.2050, 52.0320,  
37.2160

■ 96.5510, 26.9100,  
18.9260

■ 52.6620, 58.1750,  
41.5270

■ 105.0940, 20.7670,  
14.6150

■ 46.1080, 62.8510,  
44.8910

■ 114.3380, 14.0280,  
10.0920

■ 122.8810, 7.8850,  
5.7810

■ 131.4240, 1.7420,  
1.4700

■ 140.5540, -4.6760,  
-3.3640

■ 149.0970,  
-10.8190, -7.6750

■ 158.2270,  
-17.2370, -12.5090

# Harmonies

## Analogous

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



82.1990, 16.6380, 28.8780



78.8780, 39.4710, 28.0710



77.9910, 48.9180, 16.5500

# Triad

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



78.8780, 39.4710, 28.0710



73.2680, 9.9080, -25.3880



68.4650, -67.3970, -6.5410

# Complementary

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



78.8780, 39.4710, 28.0710



105.1220, -39.4710, -28.0710

# 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.



67.4900, -60.5180, -15.5740



78.8780, 39.4710, 28.0710



64.8150, -28.4210, -30.0930

# Square

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



78.8780, 39.4710, 28.0710



75.8150, 33.4730, -17.4310



63.9560, -50.5670, -25.2150



65.4960, -68.6820, 0.2300



# Rectangle

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



78.8780, 39.4710, 28.0710



77.6560, 48.0030, 5.5950



63.9560, -50.5670, -25.2150



68.9550, -66.0210, -9.4530

# Sweetspot

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



78.8780, 39.4710, 28.0710



151.3490, 15.4950, 11.0390



74.5260, 2.8360, 36.7240



73.8920, 9.3520, 6.7280



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.



78.8780, 39.4710, 28.0710



87.6840, 61.1090, 43.4210



79.8120, 47.8640, 13.6240



62.0220, 2.9340, 1.8940



44.6840, 61.1090, 43.4210



1.0110, 1.4670, 0.9470



# Inverse Universe

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



78.8780, 39.4710, 28.0710



87.6840, 61.1090, 43.4210



104.1880, -47.8640, -13.6240



62.0220, 2.9340, 1.8940



44.6840, 61.1090, 43.4210

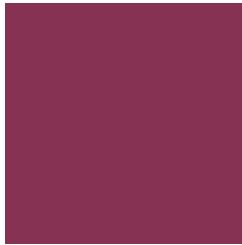


1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 78.8780, 39.4710, 28.0710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

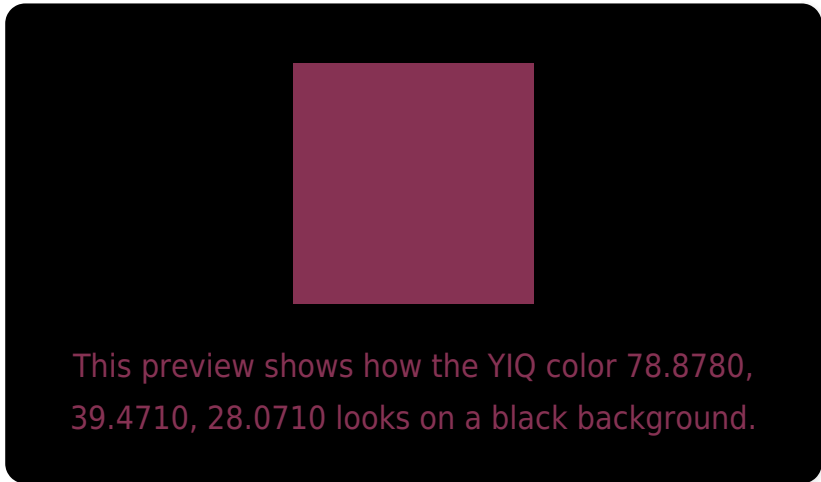
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

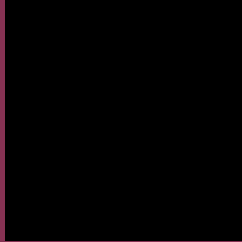
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 78.8780, 39.4710, 28.0710**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.8780, 39.4710, 28.0710.



This preview shows how white text looks on a background with the YIQ color 78.8780, 39.4710,



# 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

78.8780, 39.4710, 28.0710

### Protanopia

81.0130, -10.0420, 5.7820

### Deuteranopia

81.4030, 6.2350, 2.6430



## Tritanopia

78.4790, 44.6080, 17.5680

# Trichromacy



## Original Color

78.8780, 39.4710, 28.0710

## Protanomaly

80.0370, 7.7460, 13.8100

## Deuteranomaly

80.4310, 18.2000, 11.5760

## Tritanomaly

78.6300, 42.8650, 21.6250

# Monochromacy



## Original Color

78.8780, 39.4710, 28.0710

## Achromatopsia

79.0000, -0.0000, 0.0000

## Achromatomaly

78.6370, 14.6240, 10.3040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.8780, 39.4710, 28.0710 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(134, 50, 83)` looks like.

```
.text, #text, p{  
    color:rgb(134, 50, 83)  
}
```

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(134, 50, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 50, 83) }
```

## Border

The CSS property to change the border of an element to YIQ 78.8780, 39.4710, 28.0710 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(134, 50, 83) }
```



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

```
.border{ border-color:rgb(134, 50, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 50, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 50, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 50, 83);  
box-shadow:4px 4px 4px 4px rgb(134, 50,  
83) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.8780, 39.4710, 28.0710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 50, 83) }
```

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

```
.background{ background-color: rgb(134, 50,  
83) }
```

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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