

# Converting Colors

YIQ(87.9320, 39.3790, 29.7390)

Have a look what the booklet for  
YIQ(87.9320, 39.3790, 29.7390)  
contains.

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# Color

**YIQ(87.9320, 39.3790,  
29.7390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	903A5F
RGB	144, 58, 95
RGB Percent	56%, 23%, 37%
CMY	0.4351, 0.7727, 0.6273
CMYK	0.00, 0.60, 0.34, 0.44
HSL	334°, 43%, 40%
HSV	334°, 60%, 56%
XYZ	15.0900, 9.7838, 11.9274
YIQ	87.9320, 39.3790, 29.7390

# Conversions

## Conversions Part 2

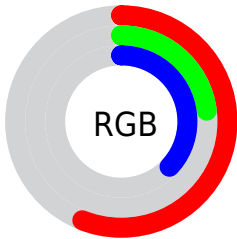
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 58, 95
Decimal	9452127
CIE <sub>Lab</sub>	37.45, 40.35, -3.54
CIE <sub>LCh</sub>	37, 40.501, 354.989
Yxy	9.7838, 0.4100, 0.2659
Android (android.graphics.Color)	4287642207 (0xFF903A5F)
YUV	87.9320, 3.4845, 49.1716
Hunter-Lab	31.2791, 31.3756, -0.7131

# Details

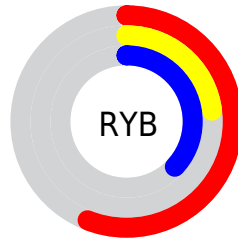
The YIQ color **87.9320, 39.3790, 29.7390** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **114.0680, -39.3790, -29.7390**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.3130, 42.6800, 30.4880**, and **32.4960, 37.9110, 34.3190** is the 20% darker color. If you saturate the color by 10%, you get **78.8020, 45.7970, 34.5730**, and if you desaturate by 10%, it is **97.0620, 32.9610, 24.9050**.

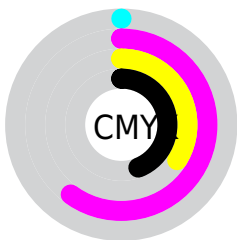
# Distribution



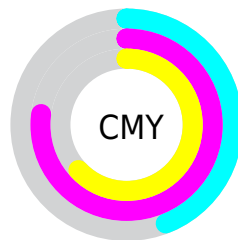
- Red (56%)
- Green (23%)
- Blue (37%)



- Red (56%)
- Yellow (23%)
- Blue (37%)



- Cyan (0%)
- Magenta (60%)
- Yellow (34%)
- Black (44%)




- Cyan (44%)
- Magenta (77%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 87.9320, 39.3790, 29.7390 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 87.9320, 39.3790, 29.7390 by changing the saturation by 10% instead.





 87.9320, 39.3790,  
29.7390


 87.9320, 39.3790,  
29.7390


255.0000, -0.0000,  
-0.0000


 61.8610, 38.1410,  
30.1490


 140.3130, 42.6800,  
30.4880


 32.4960, 37.9110,  
34.3190

 168.2100, 44.4680,  
31.1240


 22.3280, 29.1560,  
22.2760

 194.6120, 43.2760,  
30.7000

 12.6720, 24.7110,  
9.2150

 213.6530, 26.8630,  
25.2870

 0.0000, 0.0000,  
0.0000

 233.8680, 9.9000,  
18.8280

 250.8910, 1.9250,

3.6610

■ 87.9320, 39.3790,  
29.7390

■ 87.9320, 39.3790,  
29.7390

■ 78.8020, 45.7970,  
34.5730

■ 97.0620, 32.9610,  
24.9050

■ 69.0850, 52.4900,  
39.9300

■ 106.7790, 26.2680,  
19.5480

■ 59.8410, 59.2290,  
44.4530

■ 116.0230, 19.5290,  
15.0250

■ 50.1240, 65.9220,  
49.8100

■ 125.7400, 12.8360,  
9.6680

■ 134.8700, 6.4180,  
4.8340

■ 144.0000, -0.0000,  
0.0000

■ 153.7170, -6.6930,  
-5.3570

■ 162.9610,  
-13.4320, -9.8800

■ 172.6780,  
-20.1250, -15.2370

# Harmonies

## Analogous

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



91.0570, 14.1620, 29.6980



87.9320, 39.3790, 29.7390



86.2410, 51.2100, 19.0660

# Triad

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



87.9320, 39.3790, 29.7390



81.1220, 13.2550, -25.4730



75.3610, -73.0360, -8.9720

# Complementary

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



87.9320, 39.3790, 29.7390



114.0680, -39.3790, -29.7390

# 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.



74.1580, -65.5150, -18.6270



87.9320, 39.3790, 29.7390



75.3380, -22.6440, -30.1640

# Square

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



87.9320, 39.3790, 29.7390



84.7230, 36.7280, -15.8480



69.6950, -54.3260, -28.6780



72.0330, -74.6880, -1.0560



# Rectangle

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



87.9320, 39.3790, 29.7390



86.0910, 51.2120, 8.0120



69.6950, -54.3260, -28.6780



75.1500, -71.0640, -11.6720

# Sweetspot

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



87.9320, 39.3790, 29.7390



164.4630, 15.1740, 11.3500



82.4550, 1.5980, 37.1340



81.0060, 9.0310, 7.0390



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.



87.9320, 39.3790, 29.7390



98.6780, 61.2460, 46.4460



87.2360, 49.6060, 15.0940



66.4350, 3.2090, 2.4170



46.9770, 61.8420, 46.6580



2.7340, 3.8050, 2.6290



# Inverse Universe

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



87.9320, 39.3790, 29.7390



98.6780, 61.2460, 46.4460



114.7640, -49.6060, -15.0940



66.4350, 3.2090, 2.4170



46.9770, 61.8420, 46.6580

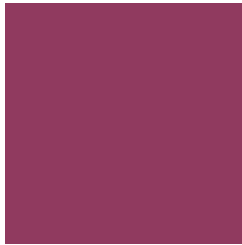


2.7340, 3.8050, 2.6290



# Previews

## White Background



This preview shows how the YIQ color 87.9320, 39.3790, 29.7390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

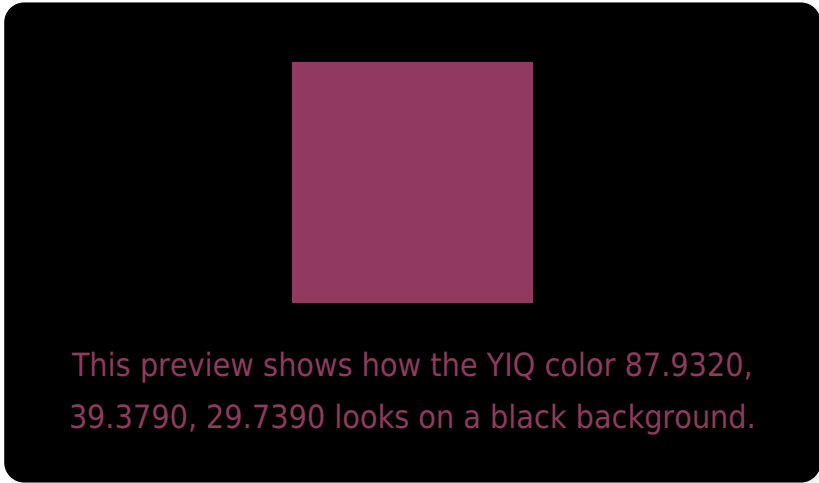
Any Text WCAG AA ✓ Pass

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

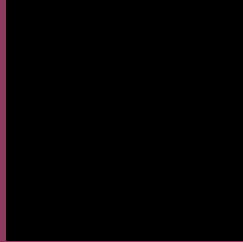
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 87.9320, 39.3790, 29.7390**

## **Background**



This preview shows how black text looks on a background with the YIQ color 87.9320, 39.3790, 29.7390.



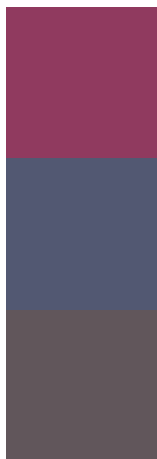
This preview shows how white text looks on a background with the YIQ color 87.9320, 39.3790,



# 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

87.9320, 39.3790, 29.7390

### Protanopia

89.1700, -11.9220, 6.8140

### Deuteranopia

89.8590, 4.9510, 3.8870



## Tritanopia

87.7780, 45.2040, 17.7800

# Trichromacy



## Original Color

87.9320, 39.3790, 29.7390

## Protanomaly

88.7920, 7.0580, 15.2660

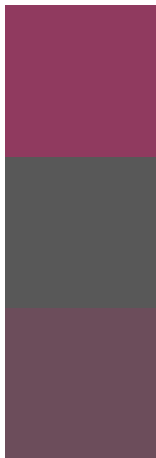
## Deuteranomaly

89.1860, 17.5120, 13.0320

## Tritanomaly

88.0430, 43.1400, 22.1480

# Monochromacy



## Original Color

87.9320, 39.3790, 29.7390

## Achromatopsia

88.0000, -0.0000, -0.0000

## Achromatomaly

87.8650, 13.9820, 10.9260

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 87.9320, 39.3790, 29.7390 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(144, 58, 95)` looks like.

```
.text, #text, p{  
    color:rgb(144, 58, 95)  
}
```

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(144, 58, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 58, 95) }
```

## Border

The CSS property to change the border of an element to YIQ 87.9320, 39.3790, 29.7390 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(144, 58, 95) }
```



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

```
.border{ border-color:rgb(144, 58, 95) }
```

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

Here you see how a box with a 4 pixel rgb(144, 58, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 58, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 58, 95);  
box-shadow:4px 4px 4px 4px rgb(144, 58,  
95) }
```

# Background

The CSS property to change the background color of an element to YIQ 87.9320, 39.3790, 29.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 58, 95) }
```

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

```
.background{ background-color: rgb(144, 58,  
95) }
```

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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