

# Converting Colors

YIQ(78.9000, 77.9360, 41.3280)

Have a look what the booklet for  
YIQ(78.9000, 77.9360, 41.3280)  
contains.

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# Color

**YIQ(78.9000, 77.9360,  
41.3280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B31F3F
RGB	179, 31, 63
RGB Percent	70%, 12%, 25%
CMY	0.2977, 0.8786, 0.7527
CMYK	0.00, 0.83, 0.65, 0.30
HSL	347°, 71%, 41%
HSV	347°, 83%, 70%
XYZ	19.9999, 10.9314, 5.7691
YIQ	78.9000, 77.9360, 41.3280

# Conversions

## Conversions Part 2

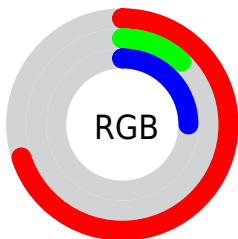
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 31, 63
Decimal	11738943
CIE <sub>Lab</sub>	39.46, 58.32, 20.51
CIE <sub>LCh</sub>	39, 61.824, 19.375
Yxy	10.9314, 0.5449, 0.2979
Android (android.graphics.Color)	4289929023 (0xFFB31F3F)
YUV	78.9000, -7.8387, 87.7877
Hunter-Lab	33.0627, 50.1165, 12.7984

# Details

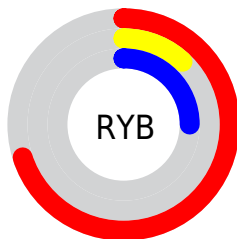
The YIQ color **78.9000, 77.9360, 41.3280** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **131.1000, -77.9360, -41.3280**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **138.6030, 83.0260, 37.1860**, and **38.0890, 63.8620, 32.0700** is the 20% darker color. If you saturate the color by 10%, you get **66.7380, 87.3800, 46.3880**, and if you desaturate by 10%, it is **91.0620, 68.4920, 36.2680**.

# Distribution



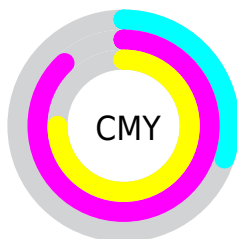
- Red (70%)
- Green (12%)
- Blue (25%)



- Red (70%)
- Yellow (12%)
- Blue (25%)



- Cyan (0%)
- Magenta (83%)
- Yellow (65%)
- Black (30%)



- Cyan (30%)
- Magenta (88%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.9000, 77.9360, 41.3280 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 78.9000, 77.9360, 41.3280 by changing the saturation by 10% instead.





 78.9000, 77.9360,  
41.3280


 78.9000, 77.9360,  
41.3280


255.0000, -0.0000,  
-0.0000


 49.2250, 75.6430,  
44.3390


 138.6030, 83.0260,  
37.1860


 38.0890, 63.8620,  
32.0700


 162.1890, 75.3240,  
33.5960


 26.6110, 53.0440,  
18.8680

 182.1760, 59.0030,  
26.5150

 18.8800, 35.9890,  
14.0770

 201.6900, 42.6360,  
20.2680

 7.8880, 15.1750,  
5.8230

 221.9050, 25.6730,  
13.8090

 0.0000, 0.0000,  
0.0000

 242.1200, 8.7100,

7.3500

■ 78.9000, 77.9360,  
41.3280

■ 78.9000, 77.9360,  
41.3280

■ 66.7380, 87.3800,  
46.3880

■ 91.0620, 68.4920,  
36.2680

■ 57.9670, 94.1650,  
50.0770

■ 103.2240, 59.0480,  
31.2080

■ 115.3860, 49.6040,  
26.1480

■ 127.5480, 40.1600,  
21.0880

■ 139.1230, 30.9910,  
16.5510

■ 151.2850, 21.5470,  
11.4910

■ 163.4470, 12.1030,  
6.4310

■ 175.6090, 2.6590,  
1.3710

■ 187.7710, -6.7850,  
-3.6890

# Harmonies

## Analogous

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



82.5070, 57.7140, 55.3940



78.9000, 77.9360, 41.3280



85.0260, 76.2000, 6.6960

# Triad

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



78.9000, 77.9360, 41.3280



65.8070, -35.1110, -52.0310



83.0500, -90.5530, 5.6310

# Complementary

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



78.9000, 77.9360, 41.3280



131.1000, -77.9360, -41.3280

# 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.



85.0100, -85.0490, -6.0170



78.9000, 77.9360, 41.3280



74.6530, -54.5080, -36.3960

# Square

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



78.9000, 77.9360, 41.3280



83.5170, 21.9680, -34.7040



81.7550, -71.7500, -21.2700



83.0690, -65.2010, 19.7510



# Rectangle

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



78.9000, 77.9360, 41.3280



87.3580, 62.8610, -10.3790



81.7550, -71.7500, -21.2700



84.8280, -90.0480, 1.9840

# Sweetspot

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



78.9000, 77.9360, 41.3280



192.8240, 30.3950, 16.3390



81.9580, 20.4360, 70.1960



93.3770, 18.2920, 9.9080



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



78.9000, 77.9360, 41.3280



76.4700, 121.0300, 64.3100



98.1450, 77.4830, 10.9790



82.9190, 4.7220, 2.5300



49.5090, 80.5950, 42.6990



8.4580, 13.5700, 7.3780



# Inverse Universe

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



78.9000, 77.9360, 41.3280



76.4700, 121.0300, 64.3100



111.8550, -77.4830, -10.9790



82.9190, 4.7220, 2.5300



49.5090, 80.5950, 42.6990



8.4580, 13.5700, 7.3780



# Previews

## White Background



This preview shows how the YIQ color 78.9000, 77.9360, 41.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

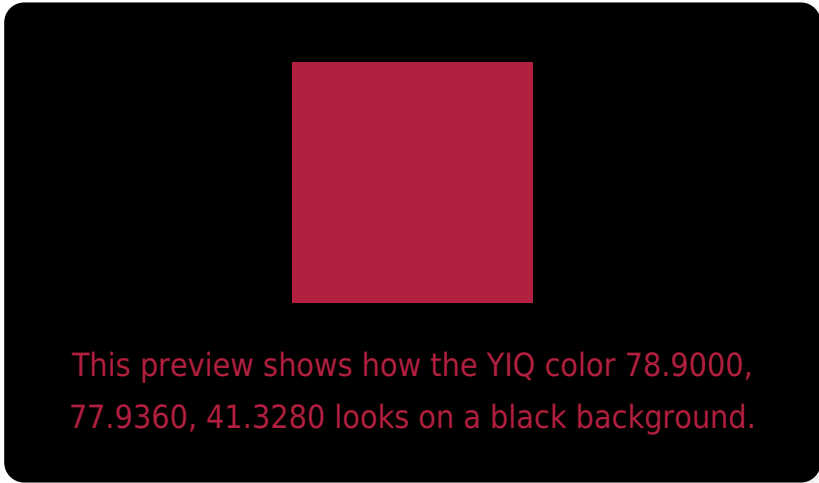
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 78.9000, 77.9360, 41.3280**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.9000, 77.9360, 41.3280.



This preview shows how white text looks on a background with the YIQ color 78.9000, 77.9360,



# 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

78.9000, 77.9360, 41.3280

### Protanopia

94.2130, 3.7140, -1.2300

### Deuteranopia

93.5990, 25.8140, -5.2740



## Tritanopia

79.1590, 84.0360, 29.8920

# Trichromacy



## Original Color

78.9000, 77.9360, 41.3280

## Protanomaly

88.6560, 30.8080, 14.3600

## Deuteranomaly

88.4910, 44.3340, 11.5180

## Tritanomaly

79.0110, 81.6970, 33.7370

# Monochromacy



## Original Color

78.9000, 77.9360, 41.3280

## Achromatopsia

79.0000, -0.0000, 0.0000

## Achromatomaly

79.1010, 28.0570, 14.6570

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.9000, 77.9360, 41.3280 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(179, 31, 63)` looks like.

```
.text, #text, p{  
    color:rgb(179, 31, 63)  
}
```

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(179, 31, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 31, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 78.9000, 77.9360, 41.3280 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(179, 31, 63) }
```



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

```
.border{ border-color:rgb(179, 31, 63) }
```

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

Here you see how a box with a 4 pixel rgb(179, 31, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 31, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 31, 63);  
box-shadow:4px 4px 4px 4px rgb(179, 31,  
63) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.9000, 77.9360, 41.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 31, 63) }
```

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

```
.background{ background-color: rgb(179, 31,  
63) }
```

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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