

# Converting Colors

YIQ(67.2240, 68.2160, 41.2720)

Have a look what the booklet for  
YIQ(67.2240, 68.2160, 41.2720)  
contains.

<b>YIQ(67.2240, 68.2160, 41.2720)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(67.2240, 68.2160,  
41.2720)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E163E
RGB	158, 22, 62
RGB Percent	62%, 9%, 24%
CMY	0.3800, 0.9139, 0.7566
CMYK	0.00, 0.86, 0.61, 0.38
HSL	342°, 76%, 35%
HSV	342°, 86%, 62%
XYZ	15.2750, 8.1982, 5.3436
YIQ	67.2240, 68.2160, 41.2720

# Conversions

## Conversions Part 2

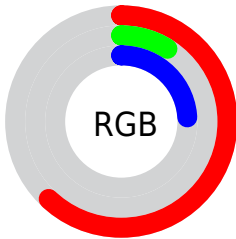
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 22, 62
Decimal	10360382
CIE <sub>Lab</sub>	34.39, 54.63, 13.66
CIE <sub>LCh</sub>	34, 56.316, 14.037
Yxy	8.1982, 0.5301, 0.2845
Android (android.graphics.Color)	4288550462 (0xFF9E163E)
YUV	67.2240, -2.5754, 79.6106
Hunter-Lab	28.6325, 45.1201, 8.9778

# Details

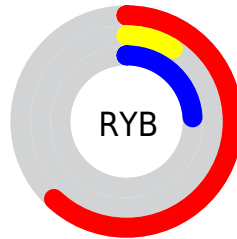
The YIQ color **67.2240, 68.2160, 41.2720** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **112.7760, -68.2160, -41.2720**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.9160, 71.8390, 36.1830**, and **31.9950, 52.2630, 27.5190** is the 20% darker color. If you saturate the color by 10%, you get **56.5780, 76.1470, 46.2190**, and if you desaturate by 10%, it is **77.8700, 60.2850, 36.3250**.

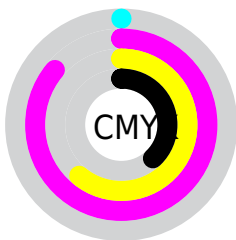
# Distribution



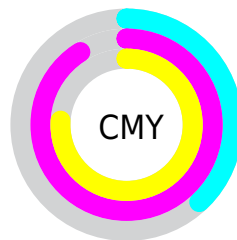
- Red (62%)
- Green (9%)
- Blue (24%)



- Red (62%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (86%)
- Yellow (61%)
- Black (38%)



- Cyan (38%)
- Magenta (91%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 67.2240, 68.2160, 41.2720 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 67.2240, 68.2160, 41.2720 by changing the saturation by 10% instead.



67.2240, 68.2160,  
41.2720

67.2240, 68.2160,  
41.2720

255.0000, -0.0000,  
-0.0000

43.2450, 63.7230,  
40.0990

126.9160, 71.8390,  
36.1830

31.9950, 52.2630,  
27.5190

154.8840, 74.8650,  
36.4090

21.3430, 41.9950,  
15.3630

176.1920, 62.0740,  
31.4340

12.9710, 25.3070,  
9.4270

195.5920, 46.0280,  
24.8760

0.0000, 0.0000,  
0.0000

215.2200, 29.3400,  
18.9400

235.5490, 12.0560,

12.7920

254.4130, 0.2750,  
0.5230

■ 67.2240, 68.2160,  
41.2720

■ 67.2240, 68.2160,  
41.2720

■ 56.5780, 76.1470,  
46.2190

■ 77.8700, 60.2850,  
36.3250

■ 52.6000, 79.0810,  
48.1130

■ 88.5160, 52.3540,  
31.3780

■ 98.6890, 44.3770,  
27.2650

■ 109.3350, 36.4460,  
22.3180

■ 119.9810, 28.5150,  
17.3710

■ 130.6270, 20.5840,  
12.4240

■ 141.2730, 12.6530,  
7.4770

■ 151.3320, 4.9970,  
3.0530

■ 161.9780, -2.9340,  
-1.8940

# Harmonies

## Analogous

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



73.7610, 45.0150, 48.7510



67.2240, 68.2160, 41.2720



73.2950, 68.3130, 11.9690

# Triad

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



67.2240, 68.2160, 41.2720



60.8590, -14.5260, -45.1340



73.7430, -79.5030, 3.6090

# Complementary

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



67.2240, 68.2160, 41.2720



112.7760, -68.2160, -41.2720

# 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.



74.4150, -73.1280, -7.3040



67.2240, 68.2160, 41.2720



64.2690, -44.5590, -34.9830

# Square

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



67.2240, 68.2160, 41.2720



73.8150, 24.3050, -27.4950



70.2140, -59.9210, -20.8890



65.6390, -75.9740, 11.2420



# Rectangle

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



67.2240, 68.2160, 41.2720



75.5520, 59.5590, -5.6010



70.2140, -59.9210, -20.8890



74.8200, -78.4020, 0.1740

# Sweetspot

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



67.2240, 68.2160, 41.2720



170.9700, 27.0480, 16.4240



65.9090, 12.9640, 62.4360



83.0070, 16.4580, 10.1060



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



67.2240, 68.2160, 41.2720



68.8470, 103.7910, 62.8550



78.5130, 73.6310, 14.7110



73.6200, 4.1260, 2.3180



47.5450, 71.7460, 43.3780



5.0550, 7.3350, 4.7350



# Inverse Universe

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



67.2240, 68.2160, 41.2720



68.8470, 103.7910, 62.8550



101.4870, -73.6310, -14.7110



73.6200, 4.1260, 2.3180



47.5450, 71.7460, 43.3780

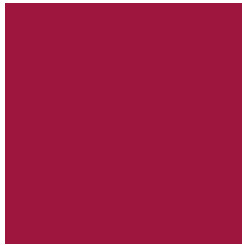


5.0550, 7.3350, 4.7350



# Previews

## White Background



This preview shows how the YIQ color 67.2240, 68.2160, 41.2720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

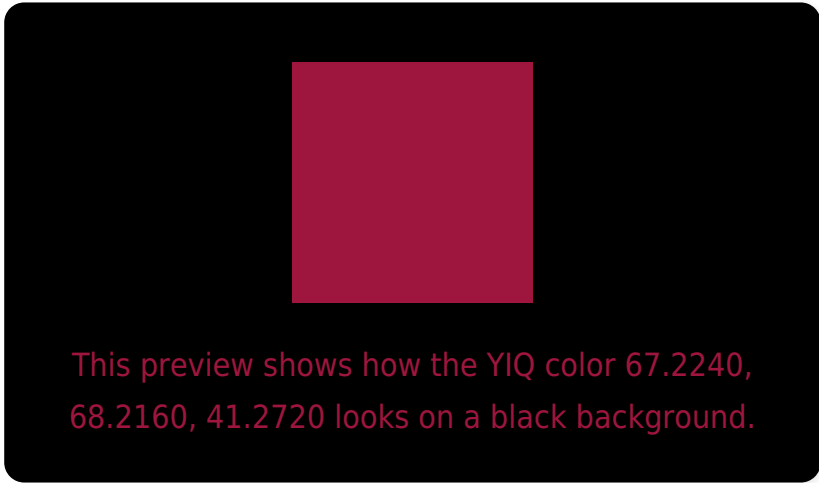
Any Text WCAG AA ✓ Pass

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

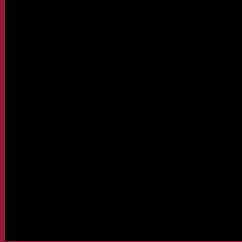
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 67.2240, 68.2160, 41.2720

## Background



This preview shows how black text looks on a background with the YIQ color 67.2240, 68.2160, 41.2720.



This preview shows how white text looks on a background with the YIQ color 67.2240, 68.2160,



# 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

67.2240, 68.2160, 41.2720

### Protanopia

82.9830, -1.3300, 2.0780

### Deuteranopia

82.3580, 19.3030, -2.9130



## Tritanopia

68.6740, 75.0960, 26.7120

# Trichromacy



## Original Color

67.2240, 68.2160, 41.2720

## Protanomaly

77.1160, 23.7010, 16.5090

## Deuteranomaly

76.5380, 36.9520, 13.1440

## Tritanomaly

68.1670, 72.3900, 31.7020

# Monochromacy



## Original Color

67.2240, 68.2160, 41.2720

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

67.2470, 24.7100, 14.7420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 67.2240, 68.2160, 41.2720 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(158, 22, 62)` looks like.

```
.text, #text, p{  
    color:rgb(158, 22, 62)  
}
```

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(158, 22, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 22, 62) }
```

## Border

The CSS property to change the border of an element to YIQ 67.2240, 68.2160, 41.2720 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(158, 22, 62) }
```



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

```
.border{ border-color:rgb(158, 22, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 22, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 22, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 22, 62);  
box-shadow:4px 4px 4px 4px rgb(158, 22,  
62) }
```

# Background

The CSS property to change the background color of an element to YIQ 67.2240, 68.2160, 41.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 22, 62) }
```

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

```
.background{ background-color: rgb(158, 22,  
62) }
```

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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