

# Converting Colors

YIQ(72.3490, 34.9720, 60.0600)

Have a look what the booklet for  
YIQ(72.3490, 34.9720, 60.0600)  
contains.

<b>YIQ(72.3490, 34.9720, 60.0600)</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(72.3490, 34.9720,  
60.0600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F1888
RGB	143, 24, 136
RGB Percent	56%, 9%, 53%
CMY	0.4389, 0.9060, 0.4666
CMYK	0.00, 0.83, 0.05, 0.44
HSL	304°, 71%, 33%
HSV	304°, 83%, 56%
XYZ	16.1138, 8.2768, 24.0458
YIQ	72.3490, 34.9720, 60.0600

# Conversions

## Conversions Part 2

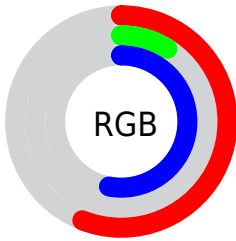
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 24, 136
Decimal	9377928
CIE <sub>Lab</sub>	34.55, 58.83, -33.73
CIE <sub>LCh</sub>	35, 67.813, 330.172
Yxy	8.2768, 0.3327, 0.1709
Android (android.graphics.Color)	4287568008 (0xFF8F1888)
YUV	72.3490, 31.3799, 61.9609
Hunter-Lab	28.7695, 49.6310, -29.4164

# Details

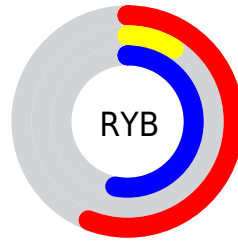
The YIQ color **72.3490, 34.9720, 60.0600** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **94.6510, -34.9720, -60.0600**, and the grayscale version is **72.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **131.3550, 34.8350, 57.0350**, and **36.1160, 24.8420, 45.4020** is the 20% darker color. If you saturate the color by 10%, you get **64.0170, 39.1430, 67.0710**, and if you desaturate by 10%, it is **80.6810, 30.8010, 53.0490**.

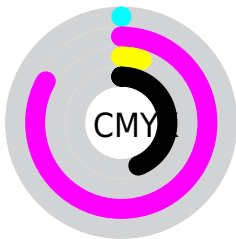
# Distribution



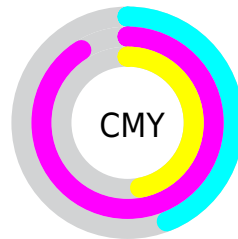
- Red (56%)
- Green (9%)
- Blue (53%)



- Red (56%)
- Yellow (9%)
- Blue (53%)



- Cyan (0%)
- Magenta (83%)
- Yellow (5%)
- Black (44%)




- Cyan (44%)
- Magenta (91%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 72.3490, 34.9720, 60.0600 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 72.3490, 34.9720, 60.0600 by changing the saturation by 10% instead.





 72.3490, 34.9720,  
60.0600


 72.3490, 34.9720,  
60.0600


255.0000, -0.0000,  
-0.0000


 46.9250, 33.2300,  
58.5900

 131.3550, 34.8350,  
57.0350


 36.1160, 24.8420,  
45.4020


 159.6540, 35.4310,  
57.2470


 25.6060, 17.0500,  
32.4260

 186.4690, 34.5140,  
57.3460

 15.5090, 9.5330,  
19.9730

 203.9310, 23.9250,  
45.5010

 2.4110, -5.4110,  
4.4530

 220.9540, 15.9500,  
30.3340

 0.0000, 0.0000,  
0.0000

 237.9770, 7.9750,

15.1670

■ 72.3490, 34.9720,  
60.0600

■ 72.3490, 34.9720,  
60.0600

■ 64.0170, 39.1430,  
67.0710

■ 80.6810, 30.8010,  
53.0490

■ 58.1470, 41.8930,  
72.3010

■ 89.6000, 26.3550,  
45.5150

■ 97.9320, 22.1840,  
38.5040

■ 106.1500, 18.3340,  
31.1820

■ 115.0690, 13.8880,  
23.6480

■ 123.4010, 9.7170,  
16.6370

■ 131.7330, 5.5460,  
9.6260

■ 140.0650, 1.3750,  
2.6150

■ 148.9840, -3.0710,  
-4.9190

# Harmonies

## Analogous

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



78.8390, -34.7140, 34.4220



72.3490, 34.9720, 60.0600



60.4060, 74.3560, 62.1640

# Triad

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



72.3490, 34.9720, 60.0600



76.8600, 37.6000, -20.6400



75.8510, -71.6600, -11.8840

# Complementary

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



72.3490, 34.9720, 60.0600



94.6510, -34.9720, -60.0600

# 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.



68.9940, -53.7300, -28.4660



72.3490, 34.9720, 60.0600



67.7470, 0.6490, -39.3110

# Square

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



72.3490, 34.9720, 60.0600



74.4440, 68.9110, 1.1270



60.9800, -33.9200, -46.0800



78.7640, -83.9960, 2.4360



# Rectangle

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



72.3490, 34.9720, 60.0600



56.6010, 86.5080, 51.1800



60.9800, -33.9200, -46.0800



73.7990, -65.8820, -17.4820

# Sweetspot

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



72.3490, 34.9720, 60.0600



158.6560, 13.6130, 23.1250



39.3600, -34.6230, 38.2810



77.4500, 8.0210, 14.3330



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.



72.3490, 34.9720, 60.0600



75.5640, 54.6810, 93.8570



65.7370, 53.5900, 42.0220



66.8910, 1.9250, 3.6610



54.8430, 39.6930, 68.1170



3.1900, 2.5210, 3.8730



# Inverse Universe

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



72.3490, 34.9720, 60.0600



75.5640, 54.6810, 93.8570



101.2630, -53.5900, -42.0220



66.8910, 1.9250, 3.6610



54.8430, 39.6930, 68.1170



3.1900, 2.5210, 3.8730



# Previews

## White Background



This preview shows how the YIQ color 72.3490, 34.9720, 60.0600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

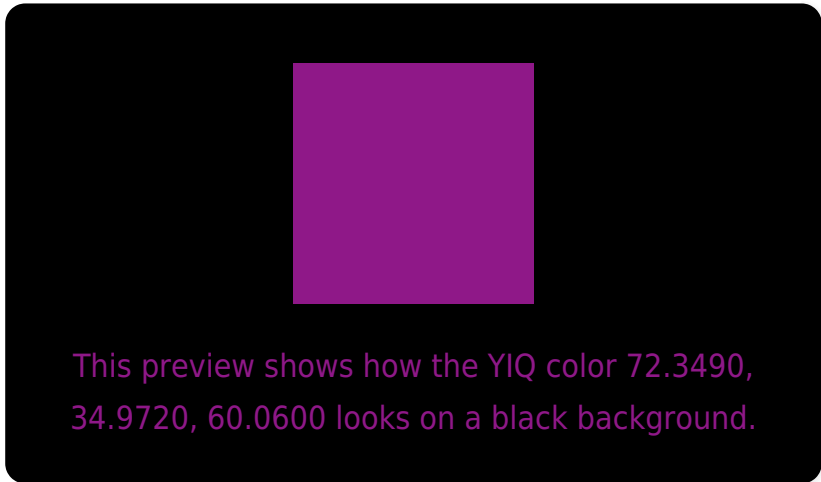
Any Text WCAG AA ✓ Pass

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

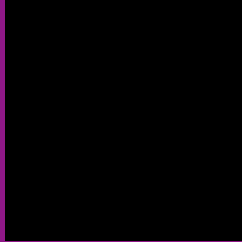
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 72.3490, 34.9720, 60.0600**

## **Background**



This preview shows how black text looks on a background with the YIQ color 72.3490, 34.9720, 60.0600.



This preview shows how white text looks on a background with the YIQ color 72.3490, 34.9720,



# 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

72.3490, 34.9720, 60.0600

### Protanopia

66.3400, -76.5700, 11.0300

### Deuteranopia

80.9540, -28.7490, 8.9070



## Tritanopia

80.7780, 45.2040, 17.7800

# Trichromacy



## Original Color

72.3490, 34.9720, 60.0600

## Protanomaly

68.7800, -36.2260, 28.7820

## Deuteranomaly

78.2380, -5.4610, 27.3950

## Tritanomaly

77.7090, 41.6250, 33.0890

# Monochromacy



## Original Color

72.3490, 34.9720, 60.0600

## Achromatopsia

72.0000, -0.0000, 0.0000

## Achromatomaly

72.4170, 12.7880, 21.5560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 72.3490, 34.9720, 60.0600 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(143, 24, 136)` looks like.

```
.text, #text, p{  
    color:rgb(143, 24, 136)  
}
```

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(143, 24, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 24, 136) }
```

## Border

The CSS property to change the border of an element to YIQ 72.3490, 34.9720, 60.0600 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(143, 24, 136) }
```



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

```
.border{ border-color:rgb(143, 24, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 24, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 24, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 24, 136);  
box-shadow:4px 4px 4px 4px rgb(143, 24,  
136) }
```

# Background

The CSS property to change the background color of an element to YIQ 72.3490, 34.9720, 60.0600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 24, 136) }
```

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

```
.background{ background-color: rgb(143, 24,  
136) }
```

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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