

# Converting Colors

YIQ(71.7340, 41.6180, 71.7780)

Have a look what the booklet for  
YIQ(71.7340, 41.6180, 71.7780)  
contains.

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# Color

**YIQ(71.7340, 41.6180,  
71.7780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C0E94
RGB	156, 14, 148
RGB Percent	61%, 5%, 58%
CMY	0.3878, 0.9453, 0.4195
CMYK	0.00, 0.91, 0.05, 0.39
HSL	303°, 84%, 33%
HSV	303°, 91%, 61%
XYZ	19.2339, 9.5297, 28.8492
YIQ	71.7340, 41.6180, 71.7780

# Conversions

## Conversions Part 2

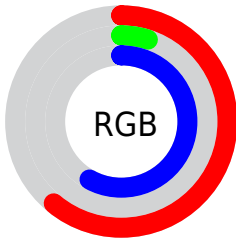
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	156, 14, 148
Decimal	10227348
CIE <sub>Lab</sub>	36.98, 65.17, -37.10
CIE <sub>LCh</sub>	37, 74.988, 330.344
Yxy	9.5297, 0.3338, 0.1654
Android (android.graphics.Color)	4288417428 (0xFF9C0E94)
YUV	71.7340, 37.5991, 73.9013
Hunter-Lab	30.8703, 57.1923, -33.7990

# Details

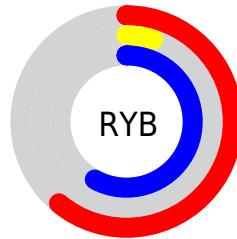
The YIQ color **71.7340, 41.6180, 71.7780** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **98.2660, -41.6180, -71.7780**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **136.4360, 39.2810, 64.5690**, and **40.9580, 28.4630, 51.3670** is the 20% darker color. If you saturate the color by 10%, you get **63.4020, 45.7890, 78.7890**, and if you desaturate by 10%, it is **81.2400, 36.8970, 63.7210**.

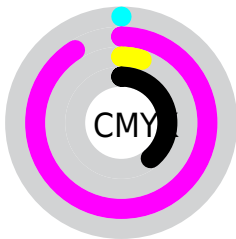
# Distribution



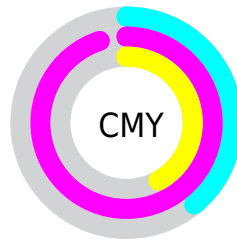
- Red (61%)
- Green (5%)
- Blue (58%)



- Red (61%)
- Yellow (5%)
- Blue (58%)



- Cyan (0%)
- Magenta (91%)
- Yellow (5%)
- Black (39%)



- Cyan (39%)
- Magenta (95%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.7340, 41.6180, 71.7780 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 71.7340, 41.6180, 71.7780 by changing the saturation by 10% instead.



71.7340, 41.6180,  
71.7780

71.7340, 41.6180,  
71.7780

255.0000, -0.0000,  
-0.0000

52.1800, 37.1260,  
65.0780

136.4360, 39.2810,  
64.5690

40.9580, 28.4630,  
51.3670

165.0340, 40.4730,  
64.9930

30.0350, 20.3960,  
37.8680

187.4950, 31.6250,  
60.1450

19.9380, 12.8790,  
25.4150

204.5180, 23.6500,  
44.9780

5.1710, -4.4950,  
9.8810

221.5410, 15.6750,  
29.8110

0.0000, 0.0000,  
0.0000

238.5640, 7.7000,

14.6440

■ 71.7340, 41.6180,  
71.7780

■ 71.7340, 41.6180,  
71.7780

■ 63.4020, 45.7890,  
78.7890

■ 81.2400, 36.8970,  
63.7210

■ 90.1590, 32.4510,  
56.1870

■ 99.6650, 27.7300,  
48.1300

■ 108.5840, 23.2840,  
40.5960

■ 117.9760, 18.8840,  
32.2280

■ 127.4820, 14.1630,  
24.1710

■ 136.4010, 9.7170,  
16.6370

■ 145.9070, 4.9960,  
8.5800

■ 154.8260, 0.5500,  
1.0460

# Harmonies

## Analogous

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



84.0220, -39.4830, 38.2530



71.7340, 41.6180, 71.7780



65.7600, 82.2870, 67.1110

# Triad

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



71.7340, 41.6180, 71.7780



81.5890, 39.8010, -21.9830



81.9150, -77.7120, -12.3360

# Complementary

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



71.7340, 41.6180, 71.7780



98.2660, -41.6180, -71.7780

# 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.



74.3740, -57.8560, -30.7840



71.7340, 41.6180, 71.7780



71.5570, -1.8720, -43.1840

# Square

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



71.7340, 41.6180, 71.7780



78.9070, 74.9170, 2.4130



64.6330, -34.5610, -50.9850



85.3980, -91.6530, 3.5390



# Rectangle

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



71.7340, 41.6180, 71.7780



61.3140, 94.8060, 54.9820



64.6330, -34.5610, -50.9850



79.7490, -71.6130, -18.2450

# Sweetspot

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



71.7340, 41.6180, 71.7780



171.3730, 16.0880, 27.8320



32.2810, -41.4100, 45.6460



82.4010, 9.7170, 16.6370



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



71.7340, 41.6180, 71.7780



82.8840, 59.9520, 102.9600



63.7540, 64.0880, 50.0080



74.3040, 2.2000, 4.1840



58.1470, 41.8930, 72.3010



6.0810, 4.4460, 7.5340



# Inverse Universe

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



71.7340, 41.6180, 71.7780



82.8840, 59.9520, 102.9600



106.2460, -64.0880, -50.0080



74.3040, 2.2000, 4.1840



58.1470, 41.8930, 72.3010



6.0810, 4.4460, 7.5340



# Previews

## White Background



This preview shows how the YIQ color 71.7340, 41.6180, 71.7780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

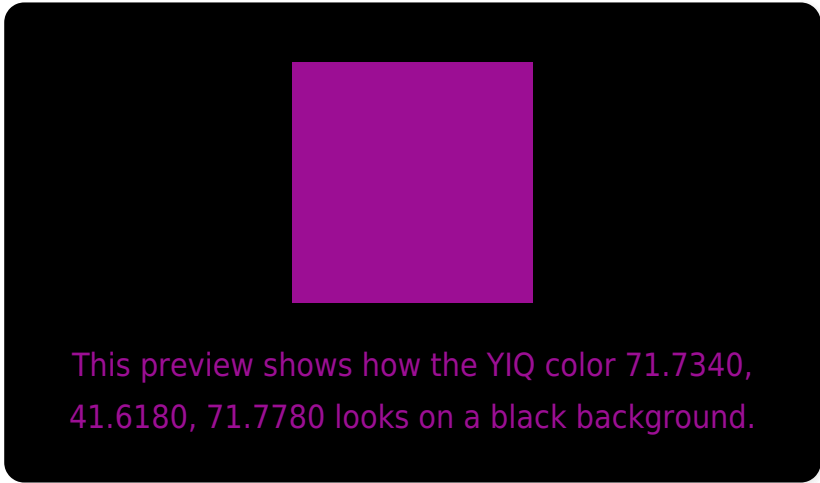
Any Text WCAG AA ✓ Pass

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

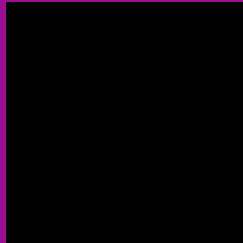
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 71.7340, 41.6180, 71.7780**

## **Background**



This preview shows how black text looks on a background with the YIQ color 71.7340, 41.6180, 71.7780.



This preview shows how white text looks on a background with the YIQ color 71.7340, 41.6180,



# 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

71.7340, 41.6180, 71.7780

### Protanopia

71.2300, -82.0720, 11.6240

### Deuteranopia

86.6270, -32.1420, 9.8260



## Tritanopia

85.7680, 51.1640, 19.9000

# Trichromacy



## Original Color

71.7340, 41.6180, 71.7780



## Protanomaly

71.6430, -37.0980, 33.5740



## Deuteranomaly

81.2860, -5.4160, 32.0880



## Tritanomaly

80.8070, 47.4010, 38.5450

# Monochromacy



## Original Color

71.7340, 41.6180, 71.7780



## Achromatopsia

72.0000, -0.0000, 0.0000



## Achromatomaly

72.1340, 15.2630, 26.2630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.7340, 41.6180, 71.7780 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(156, 14, 148)` looks like.

```
.text, #text, p{  
    color:rgb(156, 14, 148)  
}
```

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(156, 14, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 14, 148) }
```

## Border

The CSS property to change the border of an element to YIQ 71.7340, 41.6180, 71.7780 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(156, 14, 148) }
```



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

```
.border{ border-color:rgb(156, 14, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 14, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 14, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 14, 148);  
box-shadow:4px 4px 4px 4px rgb(156, 14,  
148) }
```

# Background

The CSS property to change the background color of an element to YIQ 71.7340, 41.6180, 71.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 14, 148) }
```

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

```
.background{ background-color: rgb(156, 14,  
148) }
```

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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