

Converting Colors

YIQ(71.6340, 48.4920, 90.3800)

Have a look what the booklet for
YIQ(71.6340, 48.4920, 90.3800)
contains.

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Color

**YIQ(71.6340, 48.4920,
90.3800)**

Conversions

Conversions Part 1

Format	Color
Hex	AE00AC
RGB	174, 0, 172
RGB Percent	68%, 0%, 67%
CMY	0.3171, 0.9999, 0.3254
CMYK	0.00, 1.00, 0.01, 0.32
HSL	301°, 100%, 34%
HSV	301°, 100%, 68%
XYZ	24.9330, 11.9931, 40.0381
YIQ	71.6340, 48.4920, 90.3800

Conversions

Conversions Part 2

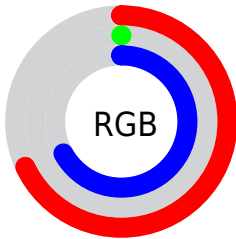
Format	Color
RYB	174, 0, 172
Decimal	11403436
CIELab	41.21, 73.50, -44.66
CIElCh	41, 86.001, 328.719
Yxy	11.9931, 0.3240, 0.1558
Android (android.graphics.Color)	4289593516 (0xFFAE00AC)
YUV	71.6340, 49.4804, 89.7750
Hunter-Lab	34.6310, 67.9089, -44.3055

Details

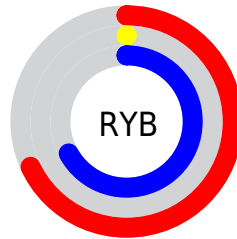
The YIQ color **71.6340, 48.4920, 90.3800** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **102.3660, -48.4920, -90.3800**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **145.5540, 42.3050, 75.8490**, and **48.5490, 31.5330, 61.8130** is the 20% darker color. If you saturate the color by 10%, you get **71.6340, 48.4920, 90.3800**, and if you desaturate by 10%, it is **81.6130, 43.8170, 81.4890**.

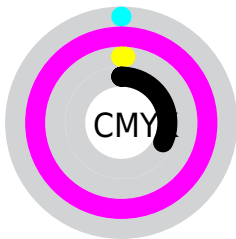
Distribution



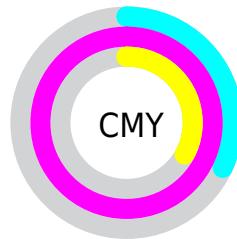
- Red (68%)
- Green (0%)
- Blue (67%)



- Red (68%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 71.6340, 48.4920, 90.3800 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 71.6340, 48.4920, 90.3800 by changing the saturation by 10% instead.


 71.6340, 48.4920,
90.3800


 71.6340, 48.4920,
90.3800


255.0000, -0.0000,
-0.0000

 59.8850, 39.8750,
75.8350


 145.5540, 42.3050,
75.8490


 48.5490, 31.5330,
61.8130


 172.8200, 38.5000,
73.2200


 37.3270, 22.8700,
48.1020


 189.8430, 30.5250,
58.0530

 26.7030, 15.3990,
34.8150

 206.8660, 22.5500,
42.8860

 15.1110, 4.9020,
21.3020

 223.8890, 14.5750,
27.7190

 3.3230, -7.9790,
6.9410

 241.4990, 6.3250,

 0.0000, 0.0000,

12.0290

0.0000

■ 71.6340, 48.4920,
90.3800

■ 81.6130, 43.8170,
81.4890

■ 92.1790, 38.8670,
72.0750

■ 102.2720, 33.8710,
63.4950

■ 112.8380, 28.9210,
54.0810

■ 122.8170, 24.2460,
45.1900

■ 132.7960, 19.5710,
36.2990

■ 143.3620, 14.6210,
26.8850

■ 153.4550, 9.6250,
18.3050

■ 164.0210, 4.6750,
8.8910

Harmonies

Analogous

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



89.8490, -57.8690, 41.0670



71.6340, 48.4920, 90.3800



74.9450, 92.3720, 77.0760

Triad

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



71.6340, 48.4920, 90.3800



91.6560, 46.8620, -23.2980



92.0710, -87.0190, -14.3710

Complementary

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



71.6340, 48.4920, 90.3800



102.3660, -48.4920, -90.3800

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.



82.6890, -63.3570, -35.7170



71.6340, 48.4920, 90.3800



79.7970, -2.7880, -48.6120

Square

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



71.6340, 48.4920, 90.3800



86.0720, 87.7540, 6.5540



70.5540, -33.3210, -62.4490



96.6940, -104.1700, 4.6140

Rectangle

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



71.6340, 48.4920, 90.3800



70.0000, 107.7340, 62.9820



70.5540, -33.3210, -62.4490



88.8620, -79.3610, -21.0010

Sweetspot

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



71.6340, 48.4920, 90.3800



186.9700, 19.0210, 35.2530



19.8360, -55.8540, 54.1140



90.2320, 11.8710, 21.6550



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



71.6340, 48.4920, 90.3800



93.4090, 63.3880, 117.7880



61.9440, 75.7770, 63.9450



81.7170, 2.4750, 4.7070



61.8360, 41.5710, 78.1390



9.4990, 6.3250, 12.0290

Inverse Universe

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



71.6340, 48.4920, 90.3800



93.4090, 63.3880, 117.7880



112.0560, -75.7770, -63.9450



81.7170, 2.4750, 4.7070



61.8360, 41.5710, 78.1390



9.4990, 6.3250, 12.0290

Previews

White Background



This preview shows how the YIQ color 71.6340, 48.4920, 90.3800 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 71.6340, 48.4920, 90.3800

Background



This preview shows how black text looks on a background with the YIQ color 71.6340, 48.4920, 90.3800.



This preview shows how white text looks on a background with the YIQ color 71.6340, 48.4920,

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

71.6340, 48.4920, 90.3800

Protanopia

79.4940, -91.5630, 12.9250

Deuteranopia

95.7060, -42.5500, 11.2260



Tritanopia

96.8610, 55.3360, 21.3840

Trichromacy



Original Color

71.6340, 48.4920, 90.3800



Protanomaly

76.5320, -40.8590, 41.1650



Deuteranomaly

87.2890, -9.4980, 39.9900



Tritanomaly

87.4860, 53.0390, 46.5030

Monochromacy



Original Color

71.6340, 48.4920, 90.3800



Achromatopsia

72.0000, -0.0000, 0.0000



Achromatomaly

71.9050, 17.6460, 32.6380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.6340, 48.4920, 90.3800 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(174, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 172)  
}
```

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(174, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 172) }
```

Border

The CSS property to change the border of an element to YIQ 71.6340, 48.4920, 90.3800 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(174, 0, 172) }
```


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

```
.border{ border-color:rgb(174, 0, 172) }
```

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

Here you see how a box with a 4 pixel rgb(174, 0, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
172) }
```

Background

The CSS property to change the background color of an element to YIQ 71.6340, 48.4920, 90.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 172) }
```

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

```
.background{ background-color: rgb(174, 0,  
172) }
```

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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