

Converting Colors

YIQ(70.9250, 68.7610, 69.9530)

Have a look what the booklet for
YIQ(70.9250, 68.7610, 69.9530)
contains.

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Color

**YIQ(70.9250, 68.7610,
69.9530)**

Conversions

Conversions Part 1

Format	Color
Hex	B40772
RGB	180, 7, 114
RGB Percent	71%, 3%, 45%
CMY	0.2936, 0.9727, 0.5528
CMYK	0.00, 0.96, 0.37, 0.29
HSL	323°, 93%, 37%
HSV	323°, 96%, 71%
XYZ	21.9660, 11.0843, 16.9158
YIQ	70.9250, 68.7610, 69.9530

Conversions

Conversions Part 2

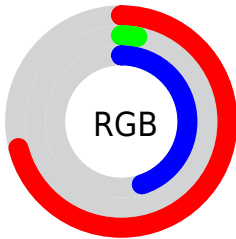
Format	Color
R_{YB}	180, 7, 114
Decimal	11798386
CIE _{Lab}	39.72, 66.66, -11.44
CIE _{LCh}	40, 67.630, 350.258
Yxy	11.0843, 0.4396, 0.2218
Android (android.graphics.Color)	4289988466 (0xFFB40772)
YUV	70.9250, 21.2360, 95.6588
Hunter-Lab	33.2931, 59.5070, -6.8193

Details

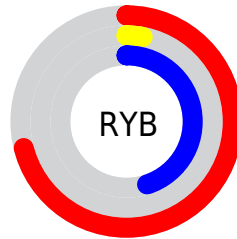
The YIQ color **70.9250, 68.7610, 69.9530** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **116.0750, -68.7610, -69.9530**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.5790, 66.3790, 58.0510**, and **44.0020, 51.5260, 46.3900** is the 20% darker color. If you saturate the color by 10%, you get **66.4740, 71.6490, 72.6810**, and if you desaturate by 10%, it is **82.2890, 61.5640, 62.7160**.

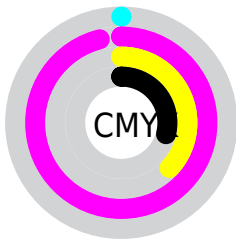
Distribution



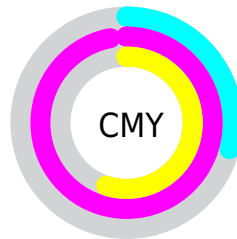
- Red (71%)
- Green (3%)
- Blue (45%)



- Red (71%)
- Yellow (3%)
- Blue (45%)



- Cyan (0%)
- Magenta (96%)
- Yellow (37%)
- Black (29%)



- Cyan (29%)
- Magenta (97%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.9250, 68.7610, 69.9530 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 70.9250, 68.7610, 69.9530 by changing the saturation by 10% instead.

70.9250, 68.7610,
69.9530

70.9250, 68.7610,
69.9530

255.0000, -0.0000,
-0.0000

55.4090, 61.1060,
60.0020

140.5790, 66.3790,
58.0510

44.0020, 51.5260,
46.3900

165.1650, 58.6770,
54.4610

32.8230, 41.3040,
33.4000

185.3800, 41.7140,
48.0020

22.7690, 32.2280,
21.6680

205.7090, 24.4300,
41.8540

10.8780, 21.1350,
7.9430

223.3020, 14.8500,
28.2420

0.0000, 0.0000,
0.0000

240.3250, 6.8750,

13.0750

■ 70.9250, 68.7610,
69.9530

■ 70.9250, 68.7610,
69.9530

■ 66.4740, 71.6490,
72.6810

■ 82.2890, 61.5640,
62.7160

■ 93.6530, 54.3670,
55.4790

■ 105.0170, 47.1700,
48.2420

■ 116.3810, 39.9730,
41.0050

■ 127.6310, 33.0970,
33.4570

■ 138.9950, 25.9000,
26.2200

■ 150.3590, 18.7030,
18.9830

■ 161.7230, 11.5060,
11.7460

■ 173.0870, 4.3090,
4.5090

Harmonies

Analogous

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



93.5420, 15.0750, 51.7070



70.9250, 68.7610, 69.9530



69.9710, 88.3420, 50.9820

Triad

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



70.9250, 68.7610, 69.9530



83.4950, 19.0340, -36.5980



87.7970, -88.7630, -4.7870

Complementary

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



70.9250, 68.7610, 69.9530



116.0750, -68.7610, -69.9530

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.



83.6130, -74.2260, -20.4500



70.9250, 68.7610, 69.9530



65.7270, -32.1300, -56.4980

Square

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



70.9250, 68.7610, 69.9530



88.7650, 54.1050, -16.8950



75.8270, -55.0580, -37.4420



85.4780, -94.6340, 8.0060

Rectangle

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



70.9250, 68.7610, 69.9530



81.0740, 85.4130, 21.4530



75.8270, -55.0580, -37.4420



86.7880, -84.5440, -9.6640

Sweetspot

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



70.9250, 68.7610, 69.9530



192.1200, 27.0460, 27.4780



45.5590, -17.9850, 67.1590



91.2230, 16.0900, 16.7780



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.



70.9250, 68.7610, 69.9530



86.7950, 93.5150, 94.9150



61.3490, 95.7250, 43.8290



83.3750, 3.4380, 3.7740



56.5770, 60.6930, 61.9810



9.5980, 10.3600, 10.4880

Inverse Universe

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



70.9250, 68.7610, 69.9530



86.7950, 93.5150, 94.9150



125.6510, -95.7250, -43.8290



83.3750, 3.4380, 3.7740



56.5770, 60.6930, 61.9810



9.5980, 10.3600, 10.4880

Previews

White Background



This preview shows how the YIQ color 70.9250, 68.7610, 69.9530 looks on a white background.

Color Contrast Check

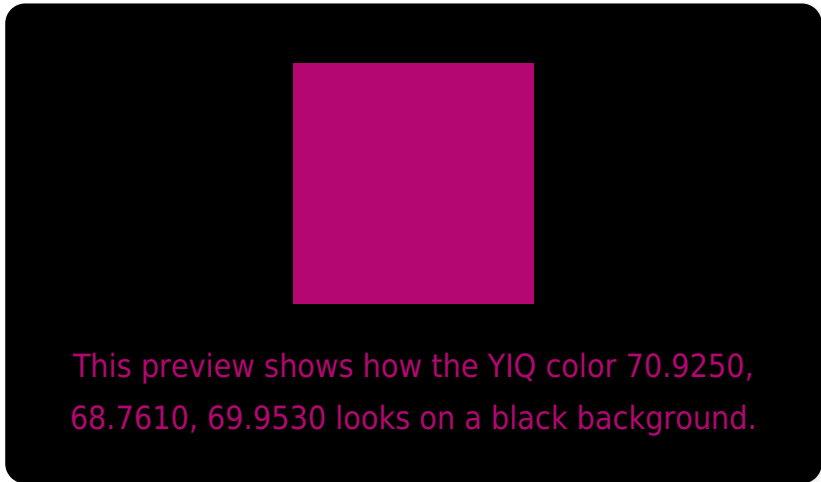
Large Text (above 18pt) WCAG AA ✓ Pass

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

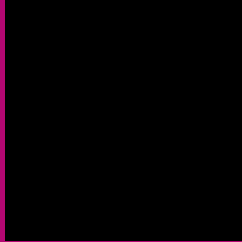
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.9250, 68.7610, 69.9530

Background



This preview shows how black text looks on a background with the YIQ color 70.9250, 68.7610, 69.9530.



This preview shows how white text looks on a background with the YIQ color 70.9250, 68.7610,

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

70.9250, 68.7610, 69.9530

Protanopia

93.4940, -38.8370, 15.5230

Deuteranopia

96.5750, -0.0010, 5.5270



Tritanopia

84.3970, 77.4340, 28.3940

Trichromacy



Original Color

70.9250, 68.7610, 69.9530

Protanomaly

84.9170, 0.1770, 35.3530

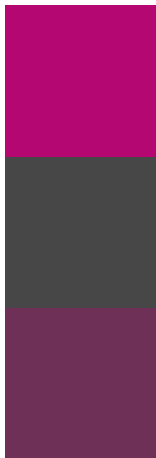
Deuteranomaly

87.3910, 24.8450, 28.8210

Tritanomaly

79.2140, 74.1760, 43.3920

Monochromacy



Original Color

70.9250, 68.7610, 69.9530

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

71.2830, 25.0290, 25.4850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.9250, 68.7610, 69.9530 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(180, 7, 114)` looks like.

```
.text, #text, p{  
    color:rgb(180, 7, 114)  
}
```

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(180, 7, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 7, 114) }
```

Border

The CSS property to change the border of an element to YIQ 70.9250, 68.7610, 69.9530 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(180, 7, 114) }
```


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

```
.border{ border-color:rgb(180, 7, 114) }
```

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

Here you see how a box with a 4 pixel rgb(180, 7, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 7, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 7, 114);  
box-shadow:4px 4px 4px 4px rgb(180, 7,  
114) }
```

Background

The CSS property to change the background color of an element to YIQ 70.9250, 68.7610, 69.9530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 7, 114) }
```

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

```
.background{ background-color: rgb(180, 7,  
114) }
```

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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