

Converting Colors

YIQ(70.7240, 29.2420, 53.7700)

Have a look what the booklet for
YIQ(70.7240, 29.2420, 53.7700)
contains.

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Color

**YIQ(70.7240, 29.2420,
53.7700)**

Conversions

Conversions Part 1

Format	Color
Hex	841C82
RGB	132, 28, 130
RGB Percent	52%, 11%, 51%
CMY	0.4820, 0.8903, 0.4902
CMYK	0.00, 0.79, 0.02, 0.48
HSL	301°, 65%, 31%
HSV	301°, 79%, 52%
XYZ	13.9722, 7.3523, 21.8051
YIQ	70.7240, 29.2420, 53.7700

Conversions

Conversions Part 2

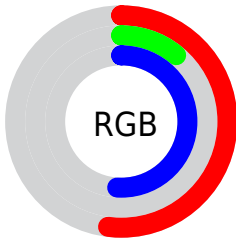
Format	Color
R_{YB}	132, 28, 130
Decimal	8658050
CIE _{Lab}	32.60, 54.42, -33.23
CIE _{LCh}	33, 63.760, 328.593
Yxy	7.3523, 0.3240, 0.1705
Android (android.graphics.Color)	4286848130 (0xFF841C82)
YUV	70.7240, 29.2231, 53.7391
Hunter-Lab	27.1152, 44.5281, -28.6984

Details

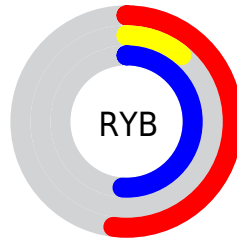
The YIQ color **70.7240, 29.2420, 53.7700** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **89.2760, -29.2420, -53.7700**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **126.9690, 29.9300, 52.3140**, and **32.4420, 20.8080, 41.4160** is the 20% darker color. If you saturate the color by 10%, you get **63.0930, 32.8170, 60.5690**, and if you desaturate by 10%, it is **78.3550, 25.6670, 46.9710**.

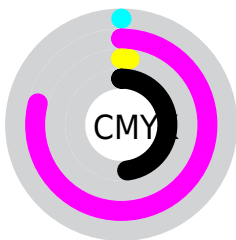
Distribution



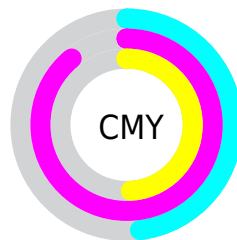
- Red (52%)
- Green (11%)
- Blue (51%)



- Red (52%)
- Yellow (11%)
- Blue (51%)



- Cyan (0%)
- Magenta (79%)
- Yellow (2%)
- Black (48%)





- Cyan (48%)
- Magenta (89%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 70.7240, 29.2420, 53.7700 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 70.7240, 29.2420, 53.7700 by changing the saturation by 10% instead.


 70.7240, 29.2420,
53.7700


 70.7240, 29.2420,
53.7700


255.0000, -0.0000,
-0.0000


 43.3650, 28.8750,
54.9150

 126.9690, 29.9300,
52.3140

 32.4420, 20.8080,
41.4160


 154.6810, 30.8010,
53.0490


 22.6440, 13.8870,
29.1750

 182.5070, 31.3510,
54.0950

 11.6500, 4.5820,
16.0860

 203.3440, 24.2000,
46.0240

 0.9120, -2.5680,
2.4880

 219.7800, 16.5000,
31.3800

 0.0000, 0.0000,
0.0000

 236.8030, 8.5250,

16.2130

254.4130, 0.2750,
0.5230

■ 70.7240, 29.2420,
53.7700

■ 70.7240, 29.2420,
53.7700

■ 63.0930, 32.8170,
60.5690

■ 78.3550, 25.6670,
46.9710

■ 55.3480, 36.7130,
67.0570

■ 86.1000, 21.7710,
40.4830

■ 54.1740, 37.2630,
68.1030

■ 94.3180, 17.9210,
33.1610

■ 101.9490, 14.3460,
26.3620

■ 109.5800, 10.7710,
19.5630

■ 117.3250, 6.8750,
13.0750

■ 124.9560, 3.3000,
6.2760

■ 133.1740, -0.5500,
-1.0460

■ 140.8050, -4.1250,
-7.8450

Harmonies

Analogous

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



73.8340, -36.3180, 30.4500



70.7240, 29.2420, 53.7700



56.7750, 68.7630, 58.8990

Triad

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



70.7240, 29.2420, 53.7700



72.4410, 37.4620, -18.1380



71.0750, -66.4790, -12.1670

Complementary

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



70.7240, 29.2420, 53.7700



89.2760, -29.2420, -53.7700

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.



65.2610, -50.1080, -28.0280



70.7240, 29.2420, 53.7700



65.1220, 4.0870, -35.5370

Square

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



70.7240, 29.2420, 53.7700



70.0030, 65.8390, 1.7350



57.0020, -30.9860, -44.1860



73.7600, -78.1730, 1.5310

Rectangle

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



70.7240, 29.2420, 53.7700



53.6110, 80.5480, 49.0600



57.0020, -30.9860, -44.1860



69.2510, -61.3430, -17.1430

Sweetspot

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



70.7240, 29.2420, 53.7700



146.8190, 11.5960, 21.1320



40.4540, -32.1920, 32.7680



72.2110, 7.1960, 12.7640



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



70.7240, 29.2420, 53.7700



75.5640, 45.5130, 83.7930



64.7960, 45.9340, 37.5980



62.4780, 1.6500, 3.1380



53.3480, 36.7130, 67.0570



1.1250, 1.1460, 1.2580

Inverse Universe

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



70.7240, 29.2420, 53.7700



75.5640, 45.5130, 83.7930



95.2040, -45.9340, -37.5980



62.4780, 1.6500, 3.1380



53.3480, 36.7130, 67.0570



1.1250, 1.1460, 1.2580

Previews

White Background



This preview shows how the YIQ color 70.7240, 29.2420, 53.7700 looks on a white background.

Color Contrast Check

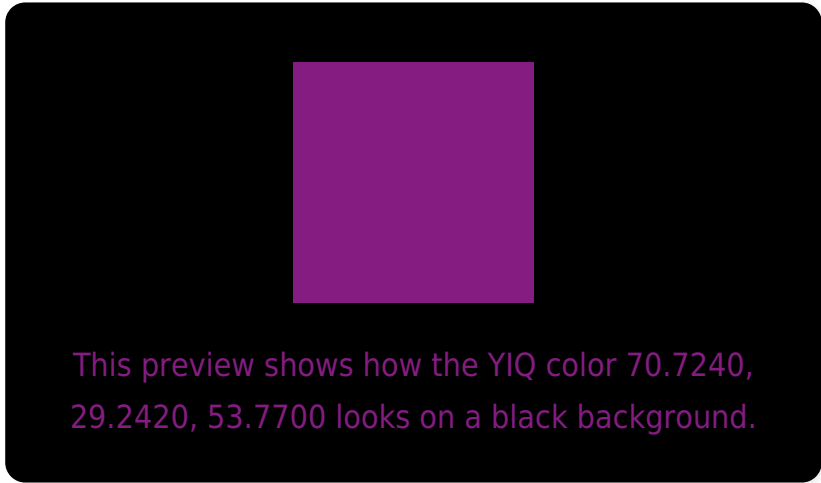
Large Text (above 18pt) WCAG AA ✓ Pass

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

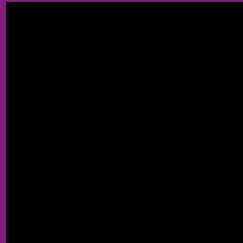
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.7240, 29.2420, 53.7700

Background



This preview shows how black text looks on a background with the YIQ color 70.7240, 29.2420, 53.7700.



This preview shows how white text looks on a background with the YIQ color 70.7240, 29.2420,

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

70.7240, 29.2420, 53.7700

Protanopia

62.2650, -71.9850, 10.5350

Deuteranopia

75.9540, -28.7490, 8.9070



Tritanopia

76.7880, 39.2440, 15.6600

Trichromacy



Original Color

70.7240, 29.2420, 53.7700

Protanomaly

65.3840, -35.1710, 26.1810

Deuteranomaly

74.1020, -8.0740, 25.1900

Tritanomaly

74.6650, 35.7570, 29.3010

Monochromacy



Original Color

70.7240, 29.2420, 53.7700

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

70.5800, 10.7710, 19.5630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.7240, 29.2420, 53.7700 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(132, 28, 130)` looks like.

```
.text, #text, p{  
    color:rgb(132, 28, 130)  
}
```

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(132, 28, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 28, 130) }
```

Border

The CSS property to change the border of an element to YIQ 70.7240, 29.2420, 53.7700 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(132, 28, 130) }
```


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

```
.border{ border-color:rgb(132, 28, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 28, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 28, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 28, 130);  
box-shadow:4px 4px 4px 4px rgb(132, 28,  
130) }
```

Background

The CSS property to change the background color of an element to YIQ 70.7240, 29.2420, 53.7700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 28, 130) }
```

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

```
.background{ background-color: rgb(132, 28,  
130) }
```

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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