

Converting Colors

YIQ(84.3300, 70.3730, 29.7090)

Have a look what the booklet for
YIQ(84.3300, 70.3730, 29.7090)
contains.

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Color

**YIQ(84.3300, 70.3730,
29.7090)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2E39
RGB	170, 46, 57
RGB Percent	67%, 18%, 22%
CMY	0.3330, 0.8198, 0.7762
CMYK	0.00, 0.73, 0.66, 0.33
HSL	355°, 57%, 42%
HSV	355°, 73%, 67%
XYZ	18.3094, 10.8007, 4.9997
YIQ	84.3300, 70.3730, 29.7090

Conversions

Conversions Part 2

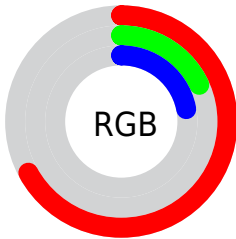
Format	Color
R_{YB}	170, 46, 57
Decimal	11152953
CIE _{Lab}	39.24, 50.65, 23.63
CIE _{LCh}	39, 55.893, 25.007
Yxy	10.8007, 0.5368, 0.3166
Android (android.graphics.Color)	4289343033 (0xFFAA2E39)
YUV	84.3300, -13.4737, 75.1326
Hunter-Lab	32.8643, 41.9335, 13.9853

Details

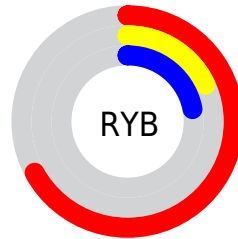
The YIQ color **84.3300, 70.3730, 29.7090** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **131.6700, -70.3730, -29.7090**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.2120, 76.5170, 28.4930**, and **34.8990, 61.3410, 28.1970** is the 20% darker color. If you saturate the color by 10%, you get **72.6410, 79.8630, 33.9350**, and if you desaturate by 10%, it is **96.1330, 60.5620, 25.7940**.

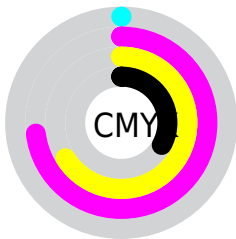
Distribution



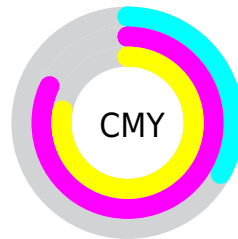
- Red (67%)
- Green (18%)
- Blue (22%)



- Red (67%)
- Yellow (18%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (66%)
- Black (33%)



- Cyan (33%)
- Magenta (82%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 84.3300, 70.3730, 29.7090 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 84.3300, 70.3730, 29.7090 by changing the saturation by 10% instead.

■ 84.3300, 70.3730,
29.7090

■ 84.3300, 70.3730,
29.7090

255.0000, -0.0000,
-0.0000

■ 51.8340, 69.1340,
35.6460

■ 140.2120, 76.5170,
28.4930

■ 34.8990, 61.3410,
28.1970

■ 166.0870, 75.3710,
27.2350

■ 24.5180, 48.8720,
17.3840

■ 185.4870, 59.3250,
20.6770

■ 16.6730, 32.1380,
12.2820

■ 205.0010, 42.9580,
14.4300

■ 3.2890, 6.5560,
2.3320

■ 224.6290, 26.2700,
8.4940

■ 0.0000, 0.0000,
0.0000

■ 245.4310, 9.0320,

1.5120

■ 84.3300, 70.3730,
29.7090

■ 84.3300, 70.3730,
29.7090

■ 72.6410, 79.8630,
33.9350

■ 96.1330, 60.5620,
25.7940

■ 60.8380, 89.6740,
37.8500

■ 107.8220, 51.0720,
21.5680

■ 52.5400, 96.5050,
40.7050

■ 119.6250, 41.2610,
17.6530

■ 131.3140, 31.7710,
13.4270

■ 143.0030, 22.2810,
9.2010

■ 154.8060, 12.4700,
5.2860

■ 166.4950, 2.9800,
1.0600

■ 178.2980, -6.8310,
-2.8550

■ 189.9870,
-16.3210, -7.0810

Harmonies

Analogous

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



85.3400, 56.3860, 46.4180



84.3300, 70.3730, 29.7090



86.4330, 67.4440, 0.1800

Triad

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



84.3300, 70.3730, 29.7090



68.0870, -41.5310, -45.8110



79.6760, -86.5640, 4.9240

Complementary

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



84.3300, 70.3730, 29.7090



131.6700, -70.3730, -29.7090

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.



83.0210, -83.5820, -5.0700



84.3300, 70.3730, 29.7090



75.2060, -57.4430, -32.7630

Square

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



84.3300, 70.3730, 29.7090



81.7120, 16.9250, -36.9230



80.5640, -72.5300, -18.1460



90.9000, -36.6840, 26.0680

Rectangle

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



84.3300, 70.3730, 29.7090



87.3030, 55.5260, -15.1140



80.5640, -72.5300, -18.1460



81.6820, -86.7010, 1.8990

Sweetspot

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



84.3300, 70.3730, 29.7090



188.1070, 27.9200, 11.6320



93.6240, 26.9480, 62.3080



92.0130, 16.3210, 7.0810



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



84.3300, 70.3730, 29.7090



87.2430, 110.7630, 46.6270



112.4260, 60.1540, 0.1380



78.3920, 4.7680, 1.6960



45.7340, 84.0350, 35.4190



6.2080, 11.2780, 4.8620

Inverse Universe

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



84.3300, 70.3730, 29.7090



87.2430, 110.7630, 46.6270



103.5740, -60.1540, -0.1380



78.3920, 4.7680, 1.6960



45.7340, 84.0350, 35.4190



6.2080, 11.2780, 4.8620

Previews

White Background



This preview shows how the YIQ color 84.3300, 70.3730, 29.7090 looks on a white background.

Color Contrast Check

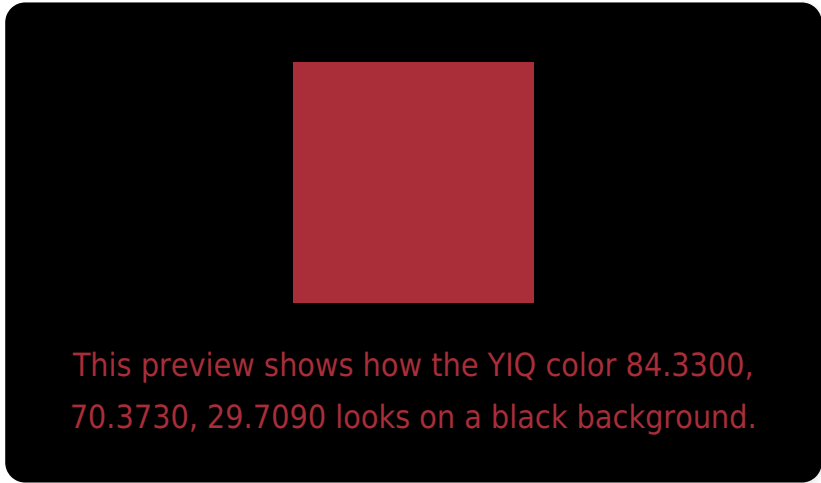
Large Text (above 18pt) WCAG AA ✓ Pass

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 84.3300, 70.3730, 29.7090

Background



This preview shows how black text looks on a background with the YIQ color 84.3300, 70.3730, 29.7090.



This preview shows how white text looks on a background with the YIQ color 84.3300, 70.3730,

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

84.3300, 70.3730, 29.7090

Protanopia

92.8560, 9.0330, -4.0150

Deuteranopia

92.0290, 27.4190, -6.8290



Tritanopia

84.0050, 72.6660, 26.6980

Trichromacy



Original Color

84.3300, 70.3730, 29.7090

Protanomaly

89.8530, 31.4510, 8.2110

Deuteranomaly

88.9590, 42.7760, 6.7120

Tritanomaly

84.3470, 71.7030, 27.6310

Monochromacy



Original Color

84.3300, 70.3730, 29.7090

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.9110, 25.5360, 10.7840

CSS Examples

Text

The CSS property to change the color of the text to YIQ 84.3300, 70.3730, 29.7090 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(170, 46, 57)` looks like.

```
.text, #text, p{  
    color:rgb(170, 46, 57)  
}
```

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(170, 46, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 46, 57) }
```

Border

The CSS property to change the border of an element to YIQ 84.3300, 70.3730, 29.7090 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(170, 46, 57) }
```


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

```
.border{ border-color:rgb(170, 46, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 46, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 46, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 46, 57);  
box-shadow:4px 4px 4px 4px rgb(170, 46,  
57) }
```

Background

The CSS property to change the background color of an element to YIQ 84.3300, 70.3730, 29.7090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 46, 57) }
```

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

```
.background{ background-color: rgb(170, 46,  
57) }
```

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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