

Converting Colors

YIQ(68.8070, 46.2600, 9.6520)

Have a look what the booklet for
YIQ(68.8070, 46.2600, 9.6520)
contains.

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Color

**YIQ(68.8070, 46.2600,
9.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	773222
RGB	119, 50, 34
RGB Percent	47%, 20%, 13%
CMY	0.5332, 0.8040, 0.8665
CMYK	0.00, 0.58, 0.71, 0.53
HSL	11°, 56%, 30%
HSV	11°, 71%, 47%
XYZ	9.0420, 6.3192, 2.2603
YIQ	68.8070, 46.2600, 9.6520

Conversions

Conversions Part 2

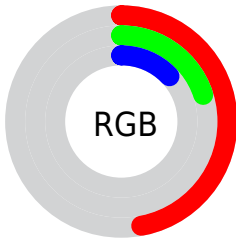
Format	Color
R_{YB}	119, 54, 34
Decimal	7811618
CIE _{Lab}	30.20, 29.10, 24.70
CIE _{LCh}	30, 38.163, 40.324
Yxy	6.3192, 0.5131, 0.3586
Android (android.graphics.Color)	4286001698 (0xFF773222)
YUV	68.8070, -17.1599, 44.0193
Hunter-Lab	25.1381, 20.2134, 12.2655

Details

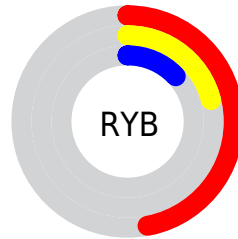
The YIQ color **68.8070, 46.2600, 9.6520** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **84.1930, -46.2600, -9.6520**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.7430, 52.3120, 10.1040**, and **20.6090, 38.1900, 12.7340** is the 20% darker color. If you saturate the color by 10%, you get **61.5690, 52.8620, 11.1500**, and if you desaturate by 10%, it is **76.0450, 39.6580, 8.1540**.

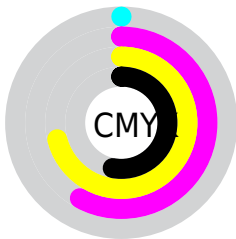
Distribution



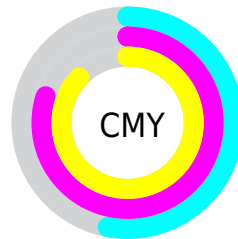
- Red (47%)
- Green (20%)
- Blue (13%)



- Red (47%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (58%)
- Yellow (71%)
- Black (53%)



- Cyan (53%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 68.8070, 46.2600, 9.6520 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 68.8070, 46.2600, 9.6520 by changing the saturation by 10% instead.

■ 68.8070, 46.2600,
9.6520

■ 68.8070, 46.2600,
9.6520

■ 255.0000, -0.0000,
-0.0000

■ 44.2520, 43.5090,
9.9490

■ 119.7430, 52.3120,
10.1040

■ 20.6090, 38.1900,
12.7340

■ 145.8250, 55.0170,
10.6410

■ 12.6720, 24.7110,
9.2150

■ 172.6080, 57.1260,
10.9660

■ 0.0000, 0.0000,
0.0000

■ 197.7000, 53.8710,
9.3830

■ 217.2140, 37.5040,
3.1360

■ 237.4290, 20.5410,

-3.3230

■ 252.9480, 5.7780,
-5.5980

■ 68.8070, 46.2600,
9.6520

■ 68.8070, 46.2600,
9.6520

■ 61.5690, 52.8620,
11.1500

■ 76.0450, 39.6580,
8.1540

■ 54.9180, 59.1890,
12.1250

■ 82.6960, 33.3310,
7.1790

■ 48.4950, 64.8740,
13.7220

■ 89.9340, 26.7290,
5.6810

■ 97.1720, 20.1270,
4.1830

■ 103.8230, 13.8000,
3.2080

■ 110.9470, 7.5190,
1.3990

■ 118.1850, 0.9170,
-0.0990

■ 124.8360, -5.4100,
-1.0740

■ 132.0740,
-12.0120, -2.5720

Harmonies

Analogous

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



69.0970, 43.0480, 23.8160



68.8070, 46.2600, 9.6520



68.0320, 40.5320, -7.6920

Triad

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



68.8070, 46.2600, 9.6520



55.0080, -39.1500, -28.3820



63.6730, -46.9510, 8.3850

Complementary

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



68.8070, 46.2600, 9.6520



84.1930, -46.2600, -9.6520

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.



61.4380, -62.7670, -2.3430



68.8070, 46.2600, 9.6520



59.1290, -49.3760, -19.2640

Square

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



68.8070, 46.2600, 9.6520



62.6240, -2.8380, -25.6700



61.7340, -58.0890, -10.0330



73.6850, -2.5260, 23.7620

Rectangle

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



68.8070, 46.2600, 9.6520



67.0320, 31.3640, -17.7560



61.7340, -58.0890, -10.0330



58.3720, -62.4010, 2.0390

Sweetspot

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



68.8070, 46.2600, 9.6520



136.3890, 18.0180, 3.8580



67.2810, 28.5110, 39.4790



67.3280, 10.8200, 2.1480



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



68.8070, 46.2600, 9.6520



76.7410, 72.9890, 15.3330



93.4610, 34.7100, -12.3140



55.3810, 3.3010, 0.7490



49.9790, 66.3870, 13.8350



102.3390, 136.0750, 28.4190

Inverse Universe

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



84.1930, -46.2600, -9.6520



100.6720, -72.7140, -14.8100



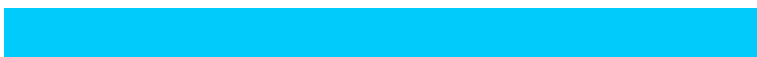
59.5390, -34.7100, 12.3140



56.6190, -3.3010, -0.7490



72.0210, -66.3870, -13.8350



147.6610, -136.0750, -28.4190

Previews

White Background



This preview shows how the YIQ color 68.8070, 46.2600, 9.6520 looks on a white background.

Color Contrast Check

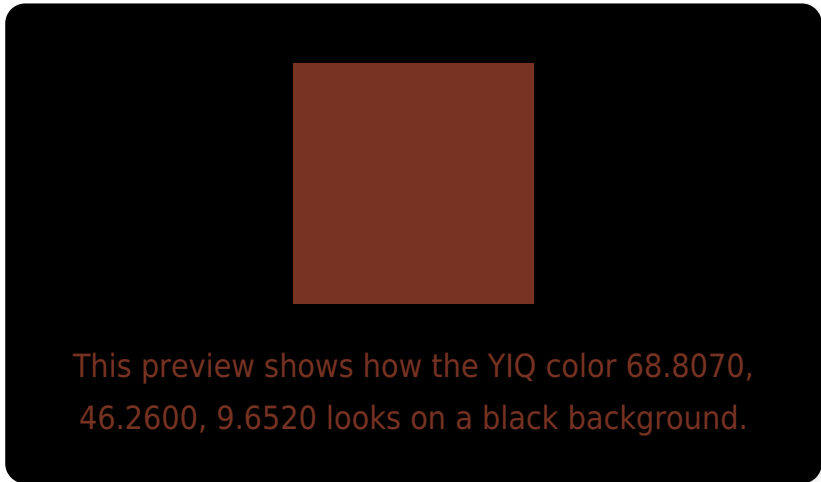
Large Text (above 18pt) WCAG AA ✓ Pass

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

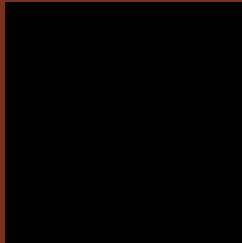
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 68.8070, 46.2600, 9.6520

Background



This preview shows how black text looks on a background with the YIQ color 68.8070, 46.2600, 9.6520.



This preview shows how white text looks on a background with the YIQ color 68.8070, 46.2600,

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

68.8070, 46.2600, 9.6520

Protanopia

70.5590, 14.1230, -8.1570

Deuteranopia

69.9470, 24.7140, -7.3660



Tritanopia

69.8700, 41.9490, 16.1970

Trichromacy



Original Color

68.8070, 46.2600, 9.6520

Protanomaly

70.0060, 26.2260, -1.7260

Deuteranomaly

69.2410, 32.8740, -1.0620

Tritanomaly

69.7730, 43.6000, 13.8080

Monochromacy



Original Color

68.8070, 46.2600, 9.6520

Achromatopsia

69.0000, -0.0000, -0.0000

Achromatomaly

68.7910, 16.8260, 3.4340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 68.8070, 46.2600, 9.6520 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(119, 50, 34)` looks like.

```
.text, #text, p{  
    color:rgb(119, 50, 34)  
}
```

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(119, 50, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 50, 34) }
```

Border

The CSS property to change the border of an element to YIQ 68.8070, 46.2600, 9.6520 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(119, 50, 34) }
```


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

```
.border{ border-color:rgb(119, 50, 34) }
```

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

Here you see how a box with a 4 pixel rgb(119, 50, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 50, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 50, 34);  
box-shadow:4px 4px 4px 4px rgb(119, 50,  
34) }
```

Background

The CSS property to change the background color of an element to YIQ 68.8070, 46.2600, 9.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 50, 34) }
```

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

```
.background{ background-color: rgb(119, 50,  
34) }
```

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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