

Converting Colors

YIQ(80.6730, 22.9700, 2.2180)

Have a look what the booklet for
YIQ(80.6730, 22.9700, 2.2180)
contains.

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Color

**YIQ(80.6730, 22.9700,
2.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	68493B
RGB	104, 73, 59
RGB Percent	41%, 29%, 23%
CMY	0.5921, 0.7138, 0.7685
CMYK	0.00, 0.30, 0.43, 0.59
HSL	19°, 28%, 32%
HSV	19°, 43%, 41%
XYZ	8.8826, 8.0235, 5.2217
YIQ	80.6730, 22.9700, 2.2180

Conversions

Conversions Part 2

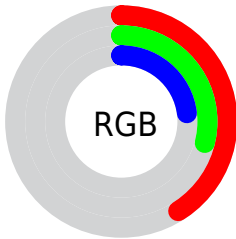
Format	Color
R_{YB}	104, 79, 59
Decimal	6834491
CIE _{Lab}	34.03, 11.25, 13.60
CIE _{LCh}	34, 17.647, 50.404
Yxy	8.0235, 0.4014, 0.3626
Android (android.graphics.Color)	4285024571 (0xFF68493B)
YUV	80.6730, -10.6848, 20.4578
Hunter-Lab	28.3257, 6.4056, 8.8981

Details

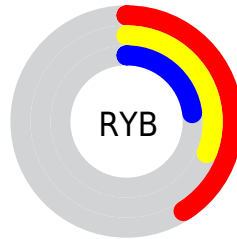
The YIQ color **80.6730, 22.9700, 2.2180** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **82.3270, -22.9700, -2.2180**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.3420, 25.4000, 2.2320**, and **35.4060, 19.3480, 1.7800** is the 20% darker color. If you saturate the color by 10%, you get **75.4240, 28.1050, 2.7690**, and if you desaturate by 10%, it is **85.9220, 17.8350, 1.6670**.

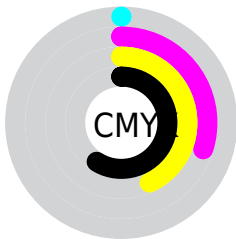
Distribution



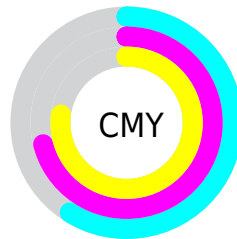
- Red (41%)
- Green (29%)
- Blue (23%)



- Red (41%)
- Yellow (31%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (43%)
- Black (59%)



- Cyan (59%)
- Magenta (71%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 80.6730, 22.9700, 2.2180 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 80.6730, 22.9700, 2.2180 by changing the saturation by 10% instead.

■ 80.6730, 22.9700,
2.2180

■ 80.6730, 22.9700,
2.2180

■ 255.0000, -0.0000,
-0.0000

■ 57.1890, 21.4570,
2.1050

■ 130.3420, 25.4000,
2.2320

■ 35.4060, 19.3480,
1.7800

■ 156.3530, 26.8670,
3.1790

■ 13.1010, 18.8890,
4.5930

■ 183.5380, 27.7840,
3.0800

■ 0.0000, 0.0000,
0.0000

■ 211.7230, 28.7010,
2.9810

■ 235.4230, 20.6780,
-0.2980

■ 253.4040, 4.4940,

-4.3540

■ 80.6730, 22.9700,
2.2180

■ 80.6730, 22.9700,
2.2180

■ 75.4240, 28.1050,
2.7690

■ 85.9220, 17.8350,
1.6670

■ 70.0610, 33.5610,
3.0090

■ 91.2850, 12.3790,
1.4270

■ 64.2250, 38.9710,
4.0830

■ 97.1210, 6.9690,
0.3530

■ 58.8620, 44.4270,
4.3230

■ 102.4840, 1.5130,
0.1130

■ 53.6130, 49.5620,
4.8740

■ 107.7330, -3.6220,
-0.4380

■ 49.8800, 53.1840,
5.3120

■ 112.9820, -8.7570,
-0.9890

■ 118.3450,
-14.2130, -1.2290

■ 123.5940,
-19.3480, -1.7800

■ 129.5440,
-25.0790, -2.5430

Harmonies

Analogous

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



81.4760, 22.3270, 8.3670



80.6730, 22.9700, 2.2180



79.9340, 17.5610, -4.3830

Triad

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



80.6730, 22.9700, 2.2180



73.9710, -19.3920, -12.0000



80.5940, -10.1800, 8.2840

Complementary

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



80.6730, 22.9700, 2.2180



82.3270, -22.9700, -2.2180

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.



77.3640, -24.3920, 1.5280



80.6730, 22.9700, 2.2180



72.5660, -31.3130, -10.7130

Square

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



80.6730, 22.9700, 2.2180



76.6860, -5.4080, -12.1280



73.3580, -33.4230, -5.5110



81.8300, 3.8950, 12.0150

Rectangle

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



80.6730, 22.9700, 2.2180



78.8900, 11.6930, -8.1710



73.3580, -33.4230, -5.5110



79.7890, -15.2230, 6.0650

Sweetspot

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



80.6730, 22.9700, 2.2180



126.0180, 8.7570, 0.9890



76.1030, 16.5480, 19.4920



63.0500, 5.7310, 0.7630



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000

Same Dimension

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



80.6730, 22.9700, 2.2180



98.8440, 35.6700, 3.3340



93.5870, 16.9200, -9.2880



48.0820, 2.7050, 0.5370



55.5170, 58.6400, 5.5520



116.3830, 123.6070, 12.0790

Inverse Universe

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



82.3270, -22.9700, -2.2180



101.1560, -35.6700, -3.3340



69.4130, -16.9200, 9.2880



48.3310, -2.4300, -0.0140



59.4830, -58.6400, -5.5520



125.6170, -123.6070, -12.0790

Previews

White Background



This preview shows how the YIQ color 80.6730, 22.9700, 2.2180 looks on a white background.

Color Contrast Check

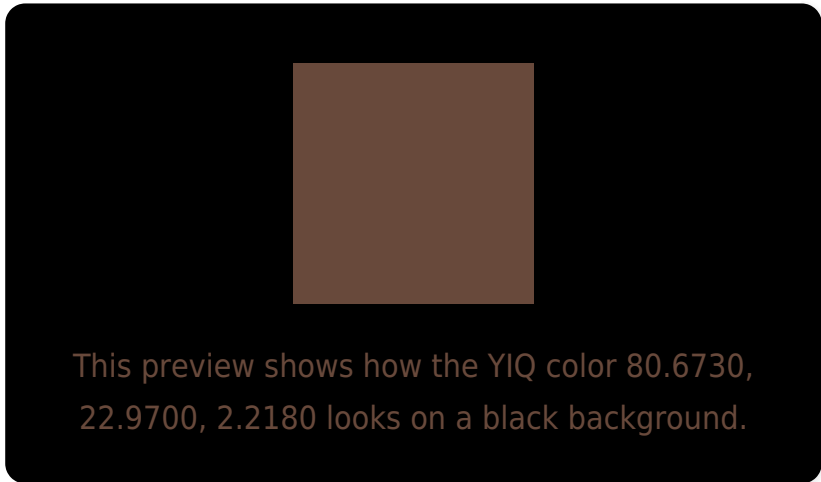
Large Text (above 18pt) WCAG AA ✓ Pass

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

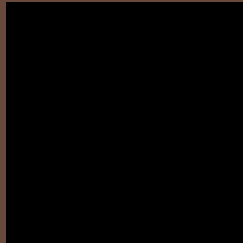
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 80.6730, 22.9700, 2.2180

Background



This preview shows how black text looks on a background with the YIQ color 80.6730, 22.9700, 2.2180.

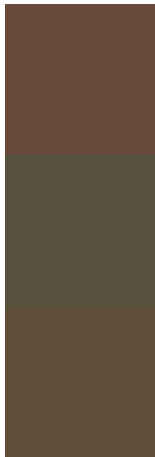


This preview shows how white text looks on a background with the YIQ color 80.6730, 22.9700,

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

80.6730, 22.9700, 2.2180

Protanopia

79.7420, 9.3540, -4.3260

Deuteranopia

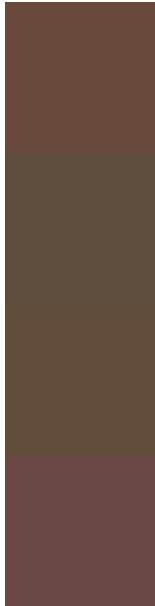
80.2160, 16.8270, -2.0930



Tritanopia

82.0350, 19.2550, 8.9750

Trichromacy



Original Color

80.6730, 22.9700, 2.2180

Protanomaly

79.9600, 14.6720, -1.5840

Deuteranomaly

80.5260, 18.8900, -0.9340

Tritanomaly

81.6390, 20.3100, 6.3740

Monochromacy



Original Color

80.6730, 22.9700, 2.2180

Achromatopsia

81.0000, -0.0000, 0.0000

Achromatomaly

80.7190, 8.1610, 0.7770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 80.6730, 22.9700, 2.2180 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(104, 73, 59)` looks like.

```
.text, #text, p{  
    color:rgb(104, 73, 59)  
}
```

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(104, 73, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 73, 59) }
```

Border

The CSS property to change the border of an element to YIQ 80.6730, 22.9700, 2.2180 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(104, 73, 59) }
```


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

```
.border{ border-color:rgb(104, 73, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 73, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 73, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 73, 59);  
box-shadow:4px 4px 4px 4px rgb(104, 73,  
59) }
```

Background

The CSS property to change the background color of an element to YIQ 80.6730, 22.9700, 2.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 73, 59) }
```

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

```
.background{ background-color: rgb(104, 73,  
59) }
```

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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