

Converting Colors

YIQ(76.7870, 22.6490, 2.5290)

Have a look what the booklet for
YIQ(76.7870, 22.6490, 2.5290)
contains.

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Color

**YIQ(76.7870, 22.6490,
2.5290)**

Conversions

Conversions Part 1

Format	Color
Hex	644538
RGB	100, 69, 56
RGB Percent	39%, 27%, 22%
CMY	0.6078, 0.7295, 0.7803
CMYK	0.00, 0.31, 0.44, 0.61
HSL	18°, 28%, 31%
HSV	18°, 44%, 39%
XYZ	8.0991, 7.2507, 4.7173
YIQ	76.7870, 22.6490, 2.5290

Conversions

Conversions Part 2

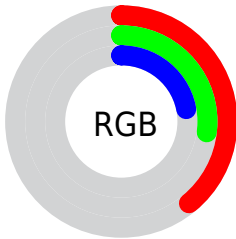
Format	Color
R_{YB}	100, 74, 56
Decimal	6571320
CIE Lab	32.37, 11.53, 13.15
CIE LCh	32, 17.491, 48.768
Yxy	7.2507, 0.4036, 0.3613
Android (android.graphics.Color)	4284761400 (0xFF644538)
YUV	76.7870, -10.2480, 20.3578
Hunter-Lab	26.9271, 6.5668, 8.4621




Details

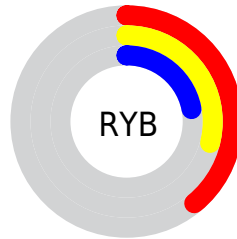
The YIQ color **76.7870, 22.6490, 2.5290** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **79.2130, -22.6490, -2.5290**, and the grayscale version is **77.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **125.8690, 25.3540, 3.0660**, and **31.9930, 19.0730, 1.2570** is the 20% darker color. If you saturate the color by 10%, you get **71.5380, 27.7840, 3.0800**, and if you desaturate by 10%, it is **82.0360, 17.5140, 1.9780**.

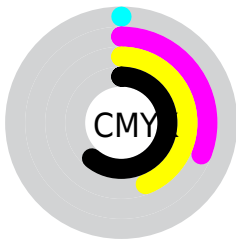
Distribution







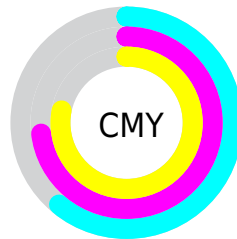
-  Red (39%)
-  Green (27%)
-  Blue (22%)






-  Red (39%)
-  Yellow (29%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (31%)
-  Yellow (44%)
-  Black (61%)



-  Cyan (61%)
-  Magenta (73%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.7870, 22.6490, 2.5290 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 76.7870, 22.6490, 2.5290 by changing the saturation by 10% instead.

■ 76.7870, 22.6490,
2.5290

■ 76.7870, 22.6490,
2.5290

■ 255.0000, -0.0000,
-0.0000

■ 53.8900, 20.8610,
1.8930

■ 125.8690, 25.3540,
3.0660

■ 31.9930, 19.0730,
1.2570

■ 152.0540, 26.2710,
2.9670

■ 8.9700, 17.8800,
6.3600

■ 178.6520, 27.4630,
3.3910

■ 0.0000, 0.0000,
0.0000

■ 206.8370, 28.3800,
3.2920

■ 232.0320, 23.3370,
1.0730

■ 251.7740, 6.3280,

-4.5520

■ 76.7870, 22.6490,
2.5290

■ 76.7870, 22.6490,
2.5290

■ 71.5380, 27.7840,
3.0800

■ 82.0360, 17.5140,
1.9780

■ 66.2890, 32.9190,
3.6310

■ 87.2850, 12.3790,
1.4270

■ 61.0400, 38.0540,
4.1820

■ 92.5340, 7.2440,
0.8760

■ 55.7910, 43.1890,
4.7330

■ 97.7830, 2.1090,
0.3250

■ 50.5420, 48.3240,
5.2840

■ 103.0320, -3.0260,
-0.2260

■ 46.9230, 51.6250,
6.0330

■ 108.2810, -8.1610,
-0.7770

■ 113.5300,
-13.2960, -1.3280

■ 118.7790,
-18.4310, -1.8790

■ 124.0280,
-23.5660, -2.4300

Harmonies

Analogous

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



77.5900, 22.0060, 8.6780



76.7870, 22.6490, 2.5290



75.9340, 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.



76.7870, 22.6490, 2.5290



70.1560, -18.4750, -12.0990



76.2950, -10.7760, 8.0720

Complementary

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



76.7870, 22.6490, 2.5290



79.2130, -22.6490, -2.5290

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.



73.0650, -24.9880, 1.3160



76.7870, 22.6490, 2.5290



68.7510, -30.3960, -10.8120

Square

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



76.7870, 22.6490, 2.5290



72.3980, -4.5370, -11.3930



69.2440, -33.1020, -5.8220



78.4170, 3.6200, 11.4920

Rectangle

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



76.7870, 22.6490, 2.5290



75.3030, 11.9680, -7.6480



69.2440, -33.1020, -5.8220



75.4900, -15.8190, 5.8530

Sweetspot

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



76.7870, 22.6490, 2.5290



121.0180, 8.7570, 0.9890



72.8040, 15.9520, 19.2800



60.7510, 5.1350, 0.5510



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



76.7870, 22.6490, 2.5290



93.3710, 35.6240, 4.1680



89.1140, 16.8740, -8.4540



48.0820, 2.7050, 0.5370



54.3430, 59.1900, 6.5980



114.0350, 124.7070, 14.1710

Inverse Universe

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



79.2130, -22.6490, -2.5290



97.6290, -35.6240, -4.1680



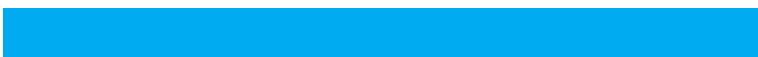
66.8860, -16.8740, 8.4540



48.3310, -2.4300, -0.0140



60.6570, -59.1900, -6.5980



127.9650, -124.7070, -14.1710

Previews

White Background



This preview shows how the YIQ color 76.7870, 22.6490, 2.5290 looks on a white background.

Color Contrast Check

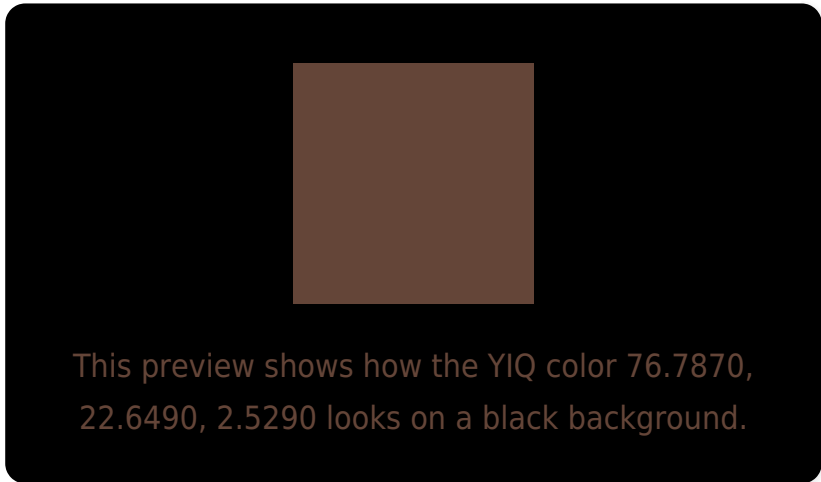
Large Text (above 18pt) WCAG AA ✓ Pass

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

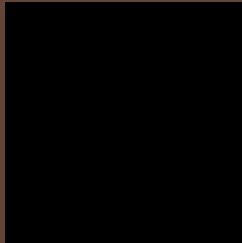
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.7870, 22.6490, 2.5290

Background



This preview shows how black text looks on a background with the YIQ color 76.7870, 22.6490, 2.5290.



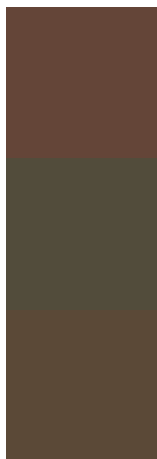
This preview shows how white text looks on a background with the YIQ color 76.7870, 22.6490,

2.5290.

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

76.7870, 22.6490, 2.5290

Protanopia

75.8560, 9.0330, -4.0150

Deuteranopia

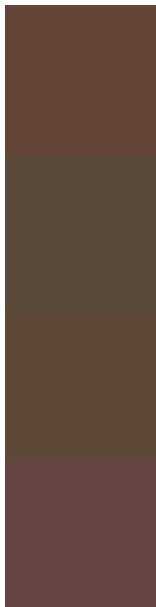
76.3300, 16.5060, -1.7820



Tritanopia

77.7360, 18.6590, 8.7630

Trichromacy



Original Color

76.7870, 22.6490, 2.5290

Protanomaly

76.0740, 14.3510, -1.2730

Deuteranomaly

76.6400, 18.5690, -0.6230

Tritanomaly

77.6390, 20.3100, 6.3740

Monochromacy



Original Color

76.7870, 22.6490, 2.5290

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

76.7190, 8.1610, 0.7770

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.7870, 22.6490, 2.5290 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(100, 69, 56)` looks like.

```
.text, #text, p{  
    color:rgb(100, 69, 56)  
}
```

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(100, 69, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 69, 56) }
```

Border

The CSS property to change the border of an element to YIQ 76.7870, 22.6490, 2.5290 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(100, 69, 56) }
```


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

```
.border{ border-color:rgb(100, 69, 56) }
```

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

Here you see how a box with a 4 pixel rgb(100, 69, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 69, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 69, 56);  
box-shadow:4px 4px 4px 4px rgb(100, 69,  
56) }
```

Background

The CSS property to change the background color of an element to YIQ 76.7870, 22.6490, 2.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 69, 56) }
```

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

```
.background{ background-color: rgb(100, 69,  
56) }
```

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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