

Converting Colors

YIQ(45.1890, 48.9610, 32.2970)

Have a look what the booklet for
YIQ(45.1890, 48.9610, 32.2970)
contains.

YIQ(45.1890, 48.9610, 32.2970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(45.1890, 48.9610,
32.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	700B2E
RGB	112, 11, 46
RGB Percent	44%, 4%, 18%
CMY	0.5605, 0.9570, 0.8194
CMYK	0.00, 0.90, 0.59, 0.56
HSL	339°, 82%, 24%
HSV	339°, 90%, 44%
XYZ	7.3038, 3.8851, 2.9541
YIQ	45.1890, 48.9610, 32.2970

Conversions

Conversions Part 2

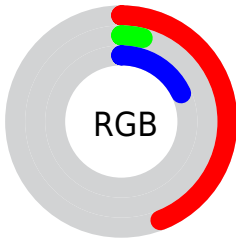
Format	Color
RYB	112, 11, 46
Decimal	7342894
CIELab	23.29, 43.23, 7.64
CIELCh	23, 43.898, 10.024
Yxy	3.8851, 0.5164, 0.2747
Android (android.graphics.Color)	4285532974 (0xFF700B2E)
YUV	45.1890, 0.3998, 58.5932
Hunter-Lab	19.7107, 31.6494, 4.9114

Details

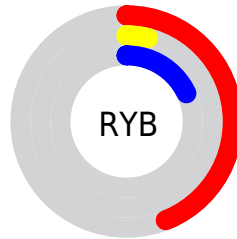
The YIQ color **45.1890, 48.9610, 32.2970** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **77.8110, -48.9610, -32.2970**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.4080, 52.5380, 28.0420**, and **17.6410, 35.1640, 12.5080** is the 20% darker color. If you saturate the color by 10%, you get **37.9340, 54.2330, 35.8730**, and if you desaturate by 10%, it is **52.4440, 43.6890, 28.7210**.

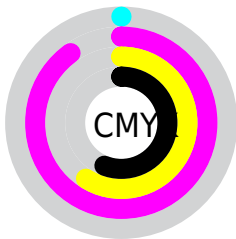
Distribution



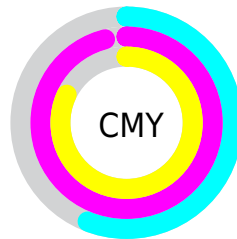
- Red (44%)
- Green (4%)
- Blue (18%)



- Red (44%)
- Yellow (4%)
- Blue (18%)



- Cyan (0%)
- Magenta (90%)
- Yellow (59%)
- Black (56%)



- Cyan (56%)
- Magenta (96%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.1890, 48.9610, 32.2970 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 45.1890, 48.9610, 32.2970 by changing the saturation by 10% instead.

■ 45.1890, 48.9610,
32.2970

■ 45.1890, 48.9610,
32.2970

■ 255.0000, -0.0000,
-0.0000

■ 28.3790, 42.3140,
26.1060

■ 101.4080, 52.5380,
28.0420

■ 17.6410, 35.1640,
12.5080

■ 128.1910, 54.6470,
28.3670

■ 8.4860, 16.3670,
6.2470

■ 154.9740, 56.7560,
28.6920

■ 0.0000, 0.0000,
0.0000


■ 182.2730, 57.3520,
28.9040


■ 201.2000, 41.2600,
23.1800


■ 220.8280, 24.5720,


17.2440


 241.0430, 7.6090,
10.7850


 45.1890, 48.9610,
32.2970


 45.1890, 48.9610,
32.2970


 37.9340, 54.2330,
35.8730

 52.4440, 43.6890,
28.7210

 59.8130, 38.0960,
25.4560

 67.6550, 32.5490,
21.3570

 74.9100, 27.2770,
17.7810

 82.2790, 21.6840,
14.5160

■ 89.5340, 16.4120,
10.9400

■ 96.7890, 11.1400,
7.3640

■ 104.7450, 5.2720,
3.5760

■ 112.0000, -0.0000,
0.0000

Harmonies

Analogous

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



51.8310, 29.6580, 35.2100



45.1890, 48.9610, 32.2970



49.4270, 50.3860, 11.9700

Triad

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



45.1890, 48.9610, 32.2970



44.1350, -5.9550, -29.7550



51.6070, -55.7530, 2.7030

Complementary

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



45.1890, 48.9610, 32.2970



77.8110, -48.9610, -32.2970

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.



51.5610, -50.1120, -5.9200



45.1890, 48.9610, 32.2970



43.4500, -28.6510, -25.9230

Square

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



45.1890, 48.9610, 32.2970



51.9860, 19.8100, -17.6140



48.6140, -40.4360, -16.0840



46.6660, -54.2410, 8.3430

Rectangle

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



45.1890, 48.9610, 32.2970



51.5860, 45.0240, -0.9920



48.6140, -40.4360, -16.0840



52.2110, -54.6980, 0.1020

Sweetspot

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



45.1890, 48.9610, 32.2970



119.2570, 18.7500, 12.6220



42.2480, 6.9150, 45.4030



58.0880, 11.7360, 7.5760



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



45.1890, 48.9610, 32.2970



49.0550, 70.3700, 46.2900



50.0040, 56.0710, 13.5670



52.0220, 2.9340, 1.8940



40.6680, 58.0380, 38.5020



83.6570, 119.6060, 79.1100

Inverse Universe

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



45.1890, 48.9610, 32.2970



49.0550, 70.3700, 46.2900



72.9960, -56.0710, -13.5670



52.0220, 2.9340, 1.8940



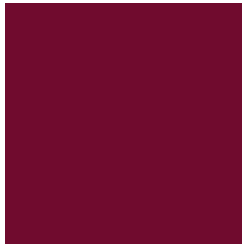
40.6680, 58.0380, 38.5020



83.6570, 119.6060, 79.1100

Previews

White Background



This preview shows how the YIQ color 45.1890, 48.9610, 32.2970 looks on a white background.

Color Contrast Check

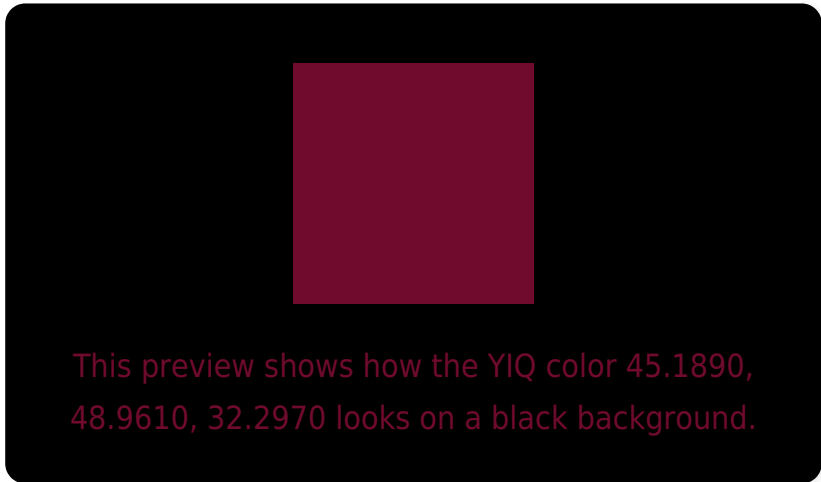
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1890, 48.9610, 32.2970

Background



This preview shows how black text looks on a background with the YIQ color 45.1890, 48.9610, 32.2970.



This preview shows how white text looks on a background with the YIQ color 45.1890, 48.9610,

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

45.1890, 48.9610, 32.2970

Protanopia

58.6130, -3.1640, 2.2760

Deuteranopia

58.1770, 12.5630, -1.9090



Tritanopia

47.7960, 53.9610, 18.7690

Trichromacy



Original Color

45.1890, 48.9610, 32.2970

Protanomaly

53.8160, 15.6780, 13.2300

Deuteranomaly

53.7970, 25.8570, 10.4730

Tritanomaly

46.4740, 52.1720, 23.6600

Monochromacy



Original Color

45.1890, 48.9610, 32.2970

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.1320, 17.6040, 11.3640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.1890, 48.9610, 32.2970 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(112, 11, 46)` looks like.

```
.text, #text, p{  
    color:rgb(112, 11, 46)  
}
```

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(112, 11, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 11, 46) }
```

Border

The CSS property to change the border of an element to YIQ 45.1890, 48.9610, 32.2970 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(112, 11, 46) }
```


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

```
.border{ border-color:rgb(112, 11, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 11, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 11, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 11, 46);  
box-shadow:4px 4px 4px 4px rgb(112, 11,  
46) }
```

Background

The CSS property to change the background color of an element to YIQ 45.1890, 48.9610, 32.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 11, 46) }
```

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

```
.background{ background-color: rgb(112, 11,  
46) }
```

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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