

Converting Colors

YIQ(38.8630, 17.4640, 24.9200)

Have a look what the booklet for
YIQ(38.8630, 17.4640, 24.9200)
contains.

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Color

**YIQ(38.8630, 17.4640,
24.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	47123E
RGB	71, 18, 62
RGB Percent	28%, 7%, 24%
CMY	0.7214, 0.9295, 0.7568
CMYK	0.00, 0.75, 0.13, 0.72
HSL	310°, 60%, 17%
HSV	310°, 75%, 28%
XYZ	3.6871, 2.1209, 4.7738
YIQ	38.8630, 17.4640, 24.9200

Conversions

Conversions Part 2

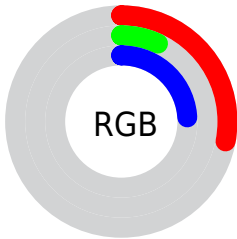
Format	Color
R_{YB}	71, 18, 62
Decimal	4657726
CIE _{Lab}	16.11, 30.86, -15.16
CIE _{LCh}	16, 34.381, 333.832
Yxy	2.1209, 0.3484, 0.2004
Android (android.graphics.Color)	4282847806 (0xFF47123E)
YUV	38.8630, 11.4065, 28.1841
Hunter-Lab	14.5632, 19.7069, -9.2408

Details

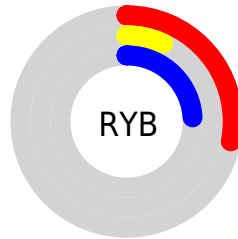
The YIQ color **38.8630, 17.4640, 24.9200** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **50.1370, -17.4640, -24.9200**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **87.4610, 18.6560, 25.3440**, and **8.7440, 7.0130, 10.5730** is the 20% darker color. If you saturate the color by 10%, you get **34.6400, 19.7100, 28.2700**, and if you desaturate by 10%, it is **43.0860, 15.2180, 21.5700**.

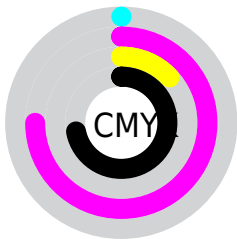
Distribution



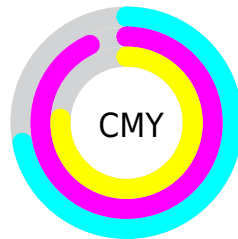
- Red (28%)
- Green (7%)
- Blue (24%)



- Red (28%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (75%)
- Yellow (13%)
- Black (72%)





- Cyan (72%)
- Magenta (93%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 38.8630, 17.4640, 24.9200 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 38.8630, 17.4640, 24.9200 by changing the saturation by 10% instead.


 38.8630, 17.4640,
24.9200


 38.8630, 17.4640,
24.9200

 253.8260, 0.5500,
1.0460


 18.6130, 15.1720,
22.4040


 87.4610, 18.6560,
25.3440


 8.7440, 7.0130,
10.5730

 112.4720, 20.1230,
26.2910

 0.0000, 0.0000,
0.0000


 138.1840, 20.9940,
27.0260


 164.8960, 21.8650,
27.7610


 192.6080, 22.7360,
28.4960


 219.2270, 19.4350,


27.7470


 236.8030, 8.5250,
16.2130


 38.8630, 17.4640,
24.9200


 38.8630, 17.4640,
24.9200


 34.6400, 19.7100,
28.2700

 43.0860, 15.2180,
21.5700


 30.4170, 21.9560,
31.6200

 47.3090, 12.9720,
18.2200

 27.9550, 23.3770,
33.4010

 51.6460, 10.4050,
15.1810

 55.8690, 8.1590,
11.8310

 60.6790, 5.6380,
7.9580

■ 64.9020, 3.3920,
4.6080

■ 69.1250, 1.1460,
1.2580

■ 73.4620, -1.4210,
-1.7810

■ 77.6850, -3.6670,
-5.1310

Harmonies

Analogous

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



40.5760, -9.7690, 17.3590



38.8630, 17.4640, 24.9200



34.1330, 34.1990, 24.4950

Triad

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



38.8630, 17.4640, 24.9200



37.8320, 17.6080, -10.7440



36.9880, -35.2570, -5.3130

Complementary

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



38.8630, 17.4640, 24.9200



50.1370, -17.4640, -24.9200

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.



34.8390, -27.8280, -13.3000



38.8630, 17.4640, 24.9200



34.1780, 1.6540, -18.9700

Square

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



38.8630, 17.4640, 24.9200



37.6430, 31.6820, -1.4860



30.7010, -18.9320, -20.3400



37.7520, -40.1640, 1.0200

Rectangle

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



38.8630, 17.4640, 24.9200



34.3580, 37.6390, 17.2150



30.7010, -18.9320, -20.3400



36.6630, -32.9640, -8.3240

Sweetspot

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



38.8630, 17.4640, 24.9200



79.8040, 6.7840, 9.2160



26.7330, -11.6490, 18.3910



38.7280, 3.9420, 5.6540



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



38.8630, 17.4640, 24.9200



41.6830, 27.3190, 39.0550



35.8990, 25.8100, 16.8340



33.5380, 1.4210, 1.7810



39.0630, 32.3610, 46.8010



89.3050, 74.9440, 106.5920

Inverse Universe

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



38.8630, 17.4640, 24.9200



41.6830, 27.3190, 39.0550



53.1010, -25.8100, -16.8340



33.5380, 1.4210, 1.7810



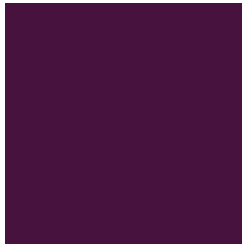
39.0630, 32.3610, 46.8010



89.3050, 74.9440, 106.5920

Previews

White Background



This preview shows how the YIQ color 38.8630, 17.4640, 24.9200 looks on a white background.

Color Contrast Check

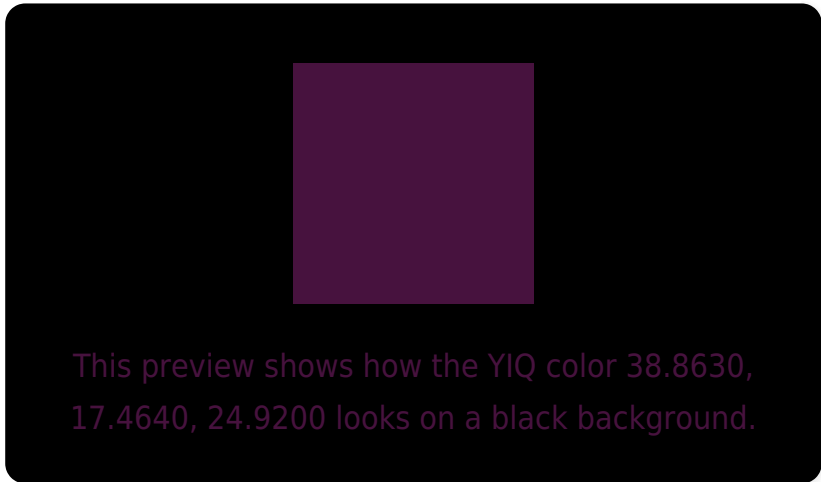
Large Text (above 18pt) WCAG AA ✓ Pass

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

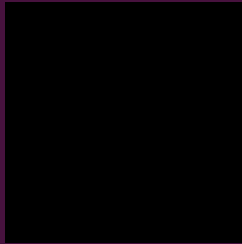
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.8630, 17.4640, 24.9200

Background



This preview shows how black text looks on a background with the YIQ color 38.8630, 17.4640, 24.9200.



This preview shows how white text looks on a background with the YIQ color 38.8630, 17.4640,

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

38.8630, 17.4640, 24.9200

Protanopia

37.7970, -26.8690, 7.8750

Deuteranopia

41.5570, -8.7580, 4.5380



Tritanopia

40.8890, 22.6020, 8.8900

Trichromacy



Original Color

38.8630, 17.4640, 24.9200

Protanomaly

38.2830, -10.5020, 14.1220

Deuteranomaly

40.8620, 0.8690, 11.7890

Tritanomaly

40.0940, 20.7670, 14.6150

Monochromacy



Original Color

38.8630, 17.4640, 24.9200

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

38.8040, 6.7840, 9.2160

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.8630, 17.4640, 24.9200 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(71, 18, 62)` looks like.

```
.text, #text, p{  
    color:rgb(71, 18, 62)  
}
```

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(71, 18, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 18, 62) }
```

Border

The CSS property to change the border of an element to YIQ 38.8630, 17.4640, 24.9200 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(71, 18, 62) }
```


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

```
.border{ border-color:rgb(71, 18, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 18, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 18, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 18, 62);  
box-shadow:4px 4px 4px 4px rgb(71, 18, 62)  
}
```

Background

The CSS property to change the background color of an element to YIQ 38.8630, 17.4640, 24.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 18, 62) }
```

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

```
.background{ background-color: rgb(71, 18,  
62) }
```

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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