

Converting Colors

YIQ(45.2870, 19.2060, 26.3900)

Have a look what the booklet for
YIQ(45.2870, 19.2060, 26.3900)
contains.

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Color

**YIQ(45.2870, 19.2060,
26.3900)**

Conversions

Conversions Part 1

Format	Color
Hex	501745
RGB	80, 23, 69
RGB Percent	31%, 9%, 27%
CMY	0.6861, 0.9099, 0.7294
CMYK	0.00, 0.71, 0.14, 0.69
HSL	312°, 55%, 20%
HSV	312°, 71%, 31%
XYZ	4.6922, 2.7489, 5.9152
YIQ	45.2870, 19.2060, 26.3900

Conversions

Conversions Part 2

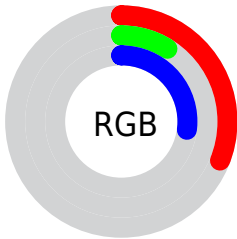
Format	Color
R_{YB}	80, 23, 69
Decimal	5248837
CIE _{Lab}	19.01, 32.52, -15.39
CIE _{LCh}	19, 35.977, 334.679
Yxy	2.7489, 0.3513, 0.2058
Android (android.graphics.Color)	4283438917 (0xFF501745)
YUV	45.2870, 11.6905, 30.4433
Hunter-Lab	16.5799, 21.5017, -9.5469

Details

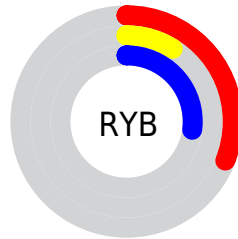
The YIQ color **45.2870, 19.2060, 26.3900** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **57.7130, -19.2060, -26.3900**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **94.1840, 20.9940, 27.0260**, and **13.7280, 13.1100, 15.7180** is the 20% darker color. If you saturate the color by 10%, you get **40.3630, 22.0480, 29.9520**, and if you desaturate by 10%, it is **50.2110, 16.3640, 22.8280**.

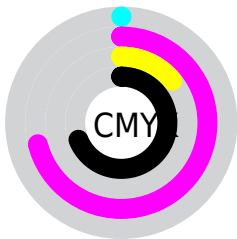
Distribution



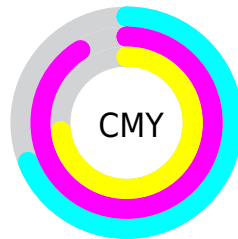
- Red (31%)
- Green (9%)
- Blue (27%)



- Red (31%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (71%)
- Yellow (14%)
- Black (69%)



- Cyan (69%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.2870, 19.2060, 26.3900 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 45.2870, 19.2060, 26.3900 by changing the saturation by 10% instead.

■ 45.2870, 19.2060,
26.3900

■ 45.2870, 19.2060,
26.3900

■ 255.0000, -0.0000,
-0.0000

■ 22.1020, 18.2890,
26.4890

■ 94.1840, 20.9940,
27.0260

■ 13.7280, 13.1100,
15.7180

■ 119.8960, 21.8650,
27.7610

■ 0.0000, 0.0000,
0.0000


■ 146.0210, 23.0110,
29.0190


■ 173.3200, 23.6070,
29.2310


■ 201.0320, 24.4780,
29.9660


■ 223.7750, 14.8960,


27.4080


 240.9120, 6.6000,
12.5520


 45.2870, 19.2060,
26.3900


 45.2870, 19.2060,
26.3900


 40.3630, 22.0480,
29.9520


 50.2110, 16.3640,
22.8280


 35.5530, 24.5690,
33.8250

 55.0210, 13.8430,
18.9550

 31.3300, 26.8150,
37.1750

 59.9450, 11.0010,
15.3930

 64.7550, 8.4800,
11.5200

 69.6790, 5.6380,
7.9580

■ 74.4890, 3.1170,
4.0850

■ 79.4130, 0.2750,
0.5230

■ 84.2230, -2.2460,
-3.3500

■ 89.1470, -5.0880,
-6.9120

Harmonies

Analogous

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



46.9290, -9.2650, 19.2390



45.2870, 19.2060, 26.3900



40.9160, 36.3080, 24.8200

Triad

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



45.2870, 19.2060, 26.3900



43.4470, 20.1300, -12.3980



42.0090, -39.7500, -6.4860

Complementary

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



45.2870, 19.2060, 26.3900



57.7130, -19.2060, -26.3900

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.



39.7460, -32.0000, -14.7840



45.2870, 19.2060, 26.3900



39.4830, 2.1130, -21.7830

Square

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



45.2870, 19.2060, 26.3900



43.5570, 34.8000, -2.9280



35.3800, -22.4620, -22.4460



43.0010, -45.2990, 0.4690

Rectangle

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



45.2870, 19.2060, 26.3900



41.3260, 40.6650, 17.4410



35.3800, -22.4620, -22.4460



41.6840, -37.4570, -9.4970

Sweetspot

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



45.2870, 19.2060, 26.3900



91.5160, 7.6550, 9.9510



32.4880, -12.3370, 19.8470



45.4400, 4.8130, 6.3890



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



45.2870, 19.2060, 26.3900



50.1180, 30.5280, 41.4720



42.0950, 28.1940, 17.6820



38.5380, 1.4210, 1.7810



40.9710, 35.6160, 48.3840



90.6860, 78.2450, 107.3410

Inverse Universe

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



45.2870, 19.2060, 26.3900



50.1180, 30.5280, 41.4720



60.9050, -28.1940, -17.6820



38.5380, 1.4210, 1.7810



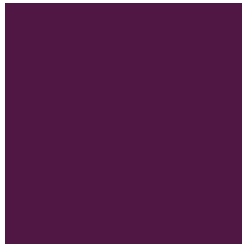
40.9710, 35.6160, 48.3840



90.6860, 78.2450, 107.3410

Previews

White Background



This preview shows how the YIQ color 45.2870, 19.2060, 26.3900 looks on a white background.

Color Contrast Check

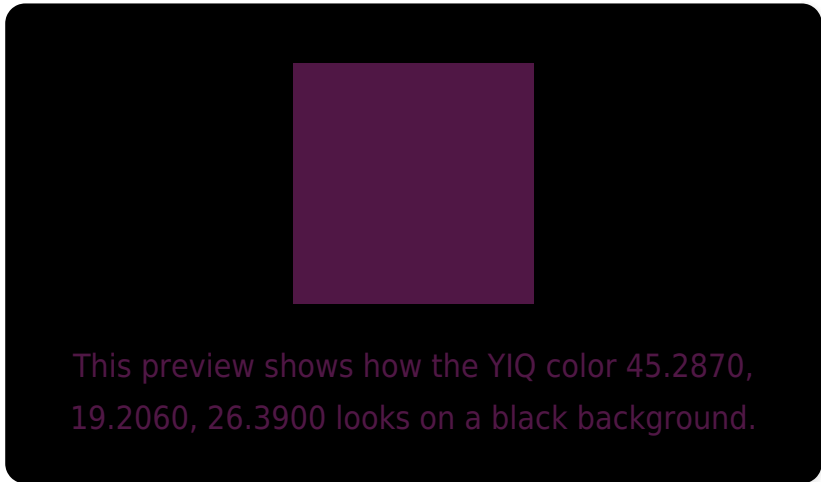
Large Text (above 18pt) WCAG AA ✓ Pass

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

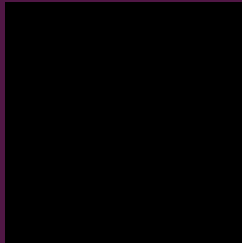
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.2870, 19.2060, 26.3900

Background



This preview shows how black text looks on a background with the YIQ color 45.2870, 19.2060, 26.3900.



This preview shows how white text looks on a background with the YIQ color 45.2870, 19.2060,

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

45.2870, 19.2060, 26.3900

Protanopia

44.6230, -26.3190, 8.9210

Deuteranopia

47.5570, -8.7580, 4.5380



Tritanopia

46.4980, 25.2610, 10.2610

Trichromacy



Original Color

45.2870, 19.2060, 26.3900

Protanomaly

45.1090, -9.9520, 15.1680

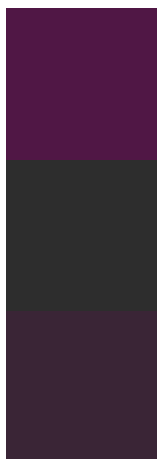
Deuteranomaly

46.5740, 1.7400, 12.5240

Tritanomaly

45.8170, 23.1050, 16.2970

Monochromacy



Original Color

45.2870, 19.2060, 26.3900

Achromatopsia

45.0000, -0.0000, -0.0000

Achromatomaly

45.2170, 7.0590, 9.7390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.2870, 19.2060, 26.3900 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(80, 23, 69)` looks like.

```
.text, #text, p{  
    color:rgb(80, 23, 69)  
}
```

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(80, 23, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 23, 69) }
```

Border

The CSS property to change the border of an element to YIQ 45.2870, 19.2060, 26.3900 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(80, 23, 69) }
```


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

```
.border{ border-color:rgb(80, 23, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 23, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 23, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 23, 69);  
box-shadow:4px 4px 4px 4px rgb(80, 23, 69)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.2870, 19.2060, 26.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 23, 69) }
```

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

```
.background{ background-color: rgb(80, 23,  
69) }
```

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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