

# Converting Colors

YIQ(26.2410, 51.2100, 19.0660)

Have a look what the booklet for  
YIQ(26.2410, 51.2100, 19.0660)  
contains.

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# Color

**YIQ(26.2410, 51.2100,  
19.0660)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 570002                    |
| RGB         | 87, 0, 2                  |
| RGB Percent | 34%, 0%, 1%               |
| CMY         | 0.6586, 1.0000, 0.9920    |
| CMYK        | 0.00, 1.00, 0.98, 0.66    |
| HSL         | 359°, 100%, 17%           |
| HSV         | 359°, 100%, 34%           |
| XYZ         | 3.9467, 2.0333, 0.2434    |
| YIQ         | 26.2410, 51.2100, 19.0660 |

# Conversions

## Conversions Part 2

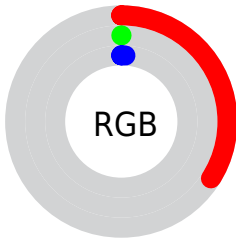
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 87, 0, 2                      |
| Decimal                             | 5701634                       |
| CIE Lab                             | 15.66, 36.67, 23.52           |
| CIE LCh                             | 16, 43.567, 32.676            |
| Yxy                                 | 2.0333, 0.6342,<br>0.3267     |
| Android<br>(android.graphics.Color) | 4283891714<br>(0xFF570002)    |
| YUV                                 | 26.2410, -11.9508,<br>53.2856 |
| Hunter-Lab                          | 14.2593, 24.4511,<br>8.9697   |

# Details

The YIQ color **26.2410, 51.2100, 19.0660** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **60.7590, -51.2100, -19.0660**, and the grayscale version is **26.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **80.5140, 54.6950, 16.4790**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **26.2410, 51.2100, 19.0660**, and if you desaturate by 10%, it is **32.5500, 45.8460, 17.1580**.

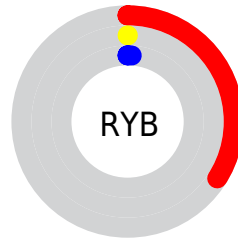
# Distribution



Red (34%)

Green (0%)

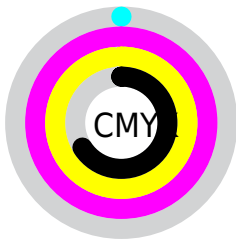
Blue (1%)



Red (34%)

Yellow (0%)

Blue (1%)

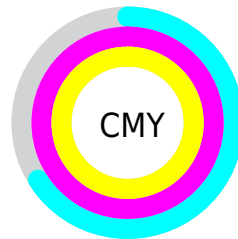


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (66%)



Cyan (66%)

Magenta (100%)


Yellow (99%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 26.2410, 51.2100, 19.0660 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 26.2410, 51.2100, 19.0660 by changing the saturation by 10% instead.





 26.2410, 51.2100,  
19.0660


 26.2410, 51.2100,  
19.0660

 244.7640, 12.2880,  
-2.4320


 17.9400, 35.7600,  
12.7200


 80.5140, 54.6950,  
16.4790


 9.6820, 18.7510,  
7.0950

 106.4820, 57.7210,  
16.7050

 0.0000, 0.0000,  
0.0000


 133.1510, 60.1510,  
16.7190


 160.1190, 63.1770,  
16.9450


 186.1080, 61.7100,  
15.9980


 205.0350, 45.6180,


10.2740


 225.1360, 28.9760,  
3.5040


 26.2410, 51.2100,  
19.0660

 32.5500, 45.8460,  
17.1580

 38.1580, 41.0780,  
15.4620

 44.4670, 35.7140,  
13.5540

 50.6620, 30.6710,  
11.3350

 56.9710, 25.3070,  
9.4270

■ 62.5790, 20.5390,  
7.7310

■ 68.8880, 15.1750,  
5.8230

■ 75.0830, 10.1320,  
3.6040

■ 80.8050, 5.0430,  
2.2190

# Harmonies

## Analogous

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



31.2420, 41.4420, 30.8980



26.2410, 51.2100, 19.0660



35.9040, 35.4410, 1.9770

# Triad

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



26.2410, 51.2100, 19.0660



29.9200, -15.3550, -24.5950



36.8690, -44.5670, 9.2330

# Complementary

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



26.2410, 51.2100, 19.0660



60.7590, -51.2100, -19.0660

# 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.



39.5930, -43.9700, 3.9180



26.2410, 51.2100, 19.0660



34.6110, -27.1860, -13.9220

# Square

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



26.2410, 51.2100, 19.0660



31.1880, -4.3060, -21.0900



38.1450, -37.1370, -4.2810



38.5740, -15.4550, 21.2890



# Rectangle

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



26.2410, 51.2100, 19.0660



37.2890, 23.7510, -6.4330



38.1450, -37.1370, -4.2810



38.5160, -45.0710, 7.3530

# Sweetspot

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



26.2410, 51.2100, 19.0660



88.8670, 19.6680, 6.9960



35.0340, 22.1370, 44.8650



41.9800, 11.9200, 4.2400



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



26.2410, 51.2100, 19.0660



33.8300, 65.7890, 24.6770



50.0800, 40.5770, -2.9990



40.1960, 2.3840, 0.8480



32.3350, 62.8090, 23.6170



70.9490, 138.1340, 51.6860



# Inverse Universe

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



26.2410, 51.2100, 19.0660



33.8300, 65.7890, 24.6770



36.9200, -40.5770, 2.9990



40.1960, 2.3840, 0.8480



32.3350, 62.8090, 23.6170

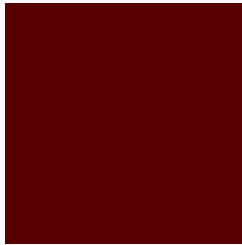


70.9490, 138.1340, 51.6860



# Previews

## White Background



This preview shows how the YIQ color 26.2410, 51.2100, 19.0660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

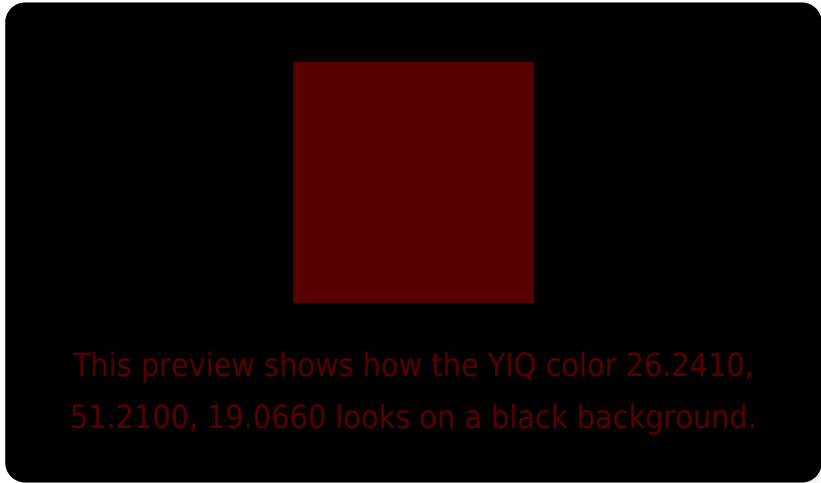
Any Text WCAG AA ✓ Pass

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

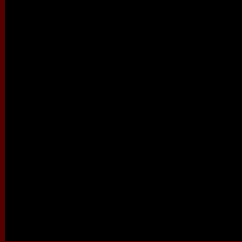
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 26.2410, 51.2100, 19.0660

## Background



This preview shows how black text looks on a background with the YIQ color 26.2410, 51.2100, 19.0660.



This preview shows how white text looks on a background with the YIQ color 26.2410, 51.2100,



# 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

26.2410, 51.2100, 19.0660

### Protanopia

41.8470, 13.2520, -8.8920

### Deuteranopia

41.0990, 21.2300, -10.3060



## Tritanopia

30.4100, 49.0560, 14.0480

# Trichromacy



## Original Color

26.2410, 51.2100, 19.0660

## Protanomaly

36.1850, 27.2800, 1.2000

## Deuteranomaly

35.9960, 32.1860, 0.3940

## Tritanomaly

28.7630, 49.5600, 15.9280

# Monochromacy



## Original Color

26.2410, 51.2100, 19.0660

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

26.2690, 18.4760, 6.5720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 26.2410, 51.2100, 19.0660 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(87, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 2)  
}
```

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(87, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 2) }
```

## Border

The CSS property to change the border of an element to YIQ 26.2410, 51.2100, 19.0660 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(87, 0, 2) }
```



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

```
.border{ border-color:rgb(87, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(87, 0, 2); box-shadow:4px  
4px 4px 4px rgb(87, 0, 2) }
```

# Background

The CSS property to change the background color of an element to YIQ 26.2410, 51.2100, 19.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 2) }
```

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

```
.background{ background-color: rgb(87, 0,  
2) }
```

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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