

# Converting Colors

YIQ(26.0670, -0.9660, 17.5140)

Have a look what the booklet for  
YIQ(26.0670, -0.9660, 17.5140)  
contains.

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# Color

**YIQ(26.0670, -0.9660,  
17.5140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	240F39
RGB	36, 15, 57
RGB Percent	14%, 6%, 22%
CMY	0.8587, 0.9412, 0.7765
CMYK	0.37, 0.74, 0.00, 0.78
HSL	270°, 58%, 14%
HSV	270°, 74%, 22%
XYZ	1.6372, 1.0121, 3.9788
YIQ	26.0670, -0.9660, 17.5140

# Conversions

## Conversions Part 2

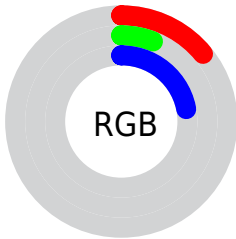
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 15, 57
Decimal	2363193
CIE Lab	9.09, 20.97, -23.11
CIE LCh	9, 31.206, 312.231
Yxy	1.0121, 0.2470, 0.1527
Android (android.graphics.Color)	4280553273 (0xFF240F39)
YUV	26.0670, 15.2500, 8.7112
Hunter-Lab	10.0605, 11.4428, -16.4058

# Details

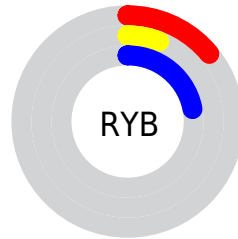
The YIQ color **26.0670, -0.9660, 17.5140** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **45.9330, 0.9660, -17.5140**, and the grayscale version is **26.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **70.7190, 0.1340, 19.6060**, and **1.1400, -3.2100, 3.1100** is the 20% darker color. If you saturate the color by 10%, you get **21.6480, -1.1040, 20.0160**, and if you desaturate by 10%, it is **30.4860, -0.8280, 15.0120**.

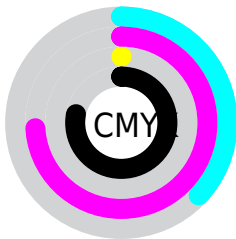
# Distribution



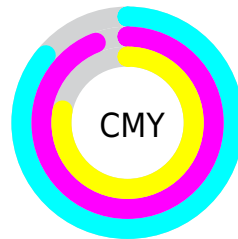
- Red (14%)
- Green (6%)
- Blue (22%)



- Red (14%)
- Yellow (6%)
- Blue (22%)



- Cyan (37%)
- Magenta (74%)
- Yellow (0%)
- Black (78%)



- Cyan (86%)
- Magenta (94%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 26.0670, -0.9660, 17.5140 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 26.0670, -0.9660, 17.5140 by changing the saturation by 10% instead.



■ 26.0670, -0.9660,  
17.5140

■ 26.0670, -0.9660,  
17.5140

■ 246.1950, 4.1250,  
7.8450

■ 9.1870, -1.4240,  
14.8000

■ 70.7190, 0.1340,  
19.6060

■ 1.1400, -3.2100,  
3.1100

■ 94.6590, 0.3630,  
20.9630

■ 0.0000, 0.0000,  
0.0000

■ 119.7730, 0.0420,  
21.2740

■ 145.5990, 0.5920,  
22.3200

■ 172.1260, 0.5460,  
23.1540

■ 199.5390, 0.8210,

23.6770

■ 226.4700, 5.2690,  
20.1570

■ 26.0670, -0.9660,  
17.5140

■ 26.0670, -0.9660,  
17.5140

■ 21.6480, -1.1040,  
20.0160

■ 30.4860, -0.8280,  
15.0120

■ 17.8160, -1.5170,  
21.9950

■ 34.3180, -0.4150,  
13.0330

■ 15.1690, -1.0130,  
23.8750

■ 38.7370, -0.2770,  
10.5310

■ 42.8570, -0.7350,  
7.8170

■ 46.6890, -0.3220,  
5.8380

■ 51.1080, -0.1840,  
3.3360

■ 55.5270, -0.0460,  
0.8340

■ 59.9460, 0.0920,  
-1.6680

■ 63.7780, 0.5050,  
-3.6470

# Harmonies

## Analogous

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



22.9000, -28.6570, 7.2390



26.0670, -0.9660, 17.5140



22.3640, 20.3070, 22.9550

# Triad

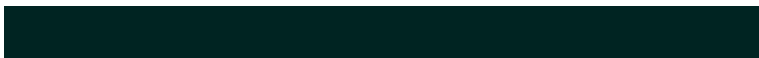
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



26.0670, -0.9660, 17.5140



24.5970, 20.1280, -1.3440



25.0080, -20.8140, -8.2540

# Complementary

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



26.0670, -0.9660, 17.5140



45.9330, 0.9660, -17.5140

# 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.



21.5710, -12.5140, -15.5060



26.0670, -0.9660, 17.5140



23.6230, 8.0710, -8.6090

# Square

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



26.0670, -0.9660, 17.5140



21.4400, 31.1760, 7.6880



18.7840, -8.8000, -16.7360



26.7010, -26.9590, -1.5110



# Rectangle

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



26.0670, -0.9660, 17.5140



21.0890, 28.3310, 20.7070



18.7840, -8.8000, -16.7360



24.2100, -18.5670, -10.4310

# Sweetspot

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



26.0670, -0.9660, 17.5140



62.2160, -0.3680, 6.6720



32.1150, -19.2570, 2.0790



30.6350, -0.2300, 4.1700



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



26.0670, -0.9660, 17.5140



25.9780, -1.7930, 26.9990



32.3460, 11.5500, 21.9660



25.9400, 0.2290, 1.3570



24.2420, -2.1160, 38.3640



57.8560, -4.7390, 91.4290



# Inverse Universe

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



29.9520, 18.2910, 15.4350



32.0830, 28.4680, 23.7320



39.6540, -11.5500, -21.9660



26.1250, 1.1460, 1.2580



32.7520, 40.0660, 33.8100

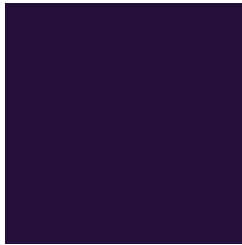


77.9070, 95.5350, 80.3270



# Previews

## White Background



This preview shows how the YIQ color 26.0670, -0.9660, 17.5140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

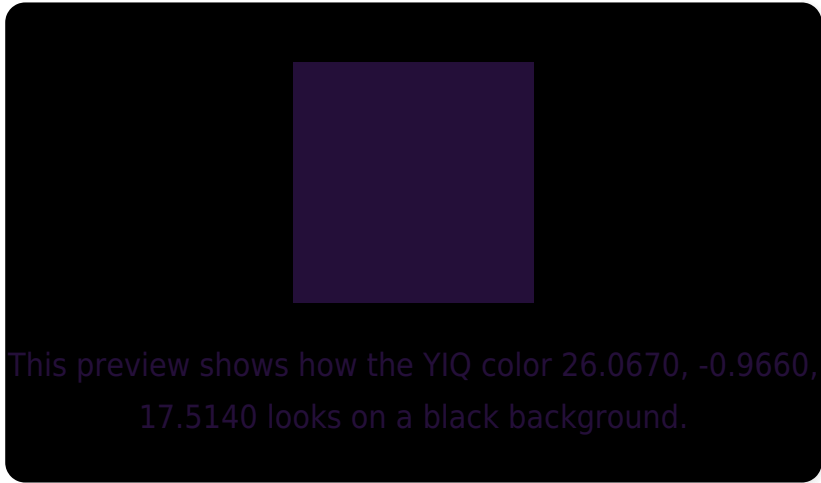
Any Text WCAG AA ✓ Pass

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

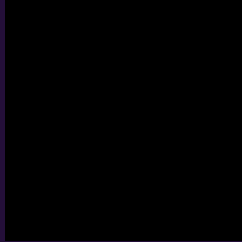
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 26.0670, -0.9660, 17.5140**

## **Background**



This preview shows how black text looks on a background with the YIQ color 26.0670, -0.9660, 17.5140.



This preview shows how white text looks on a background with the YIQ color 26.0670, -0.9660,



# 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

26.0670, -0.9660, 17.5140

### Protanopia

21.5320, -24.8050, 3.5070

### Deuteranopia

21.2070, -22.5120, 0.4960



## Tritanopia

27.4240, 1.7420, 1.4700

# Trichromacy



## Original Color

26.0670, -0.9660, 17.5140

## Protanomaly

23.1850, -16.2780, 8.6660

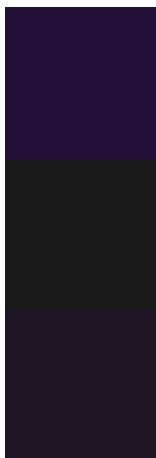
## Deuteranomaly

23.2020, -14.9480, 6.5880

## Tritanomaly

26.9280, 0.5030, 7.4070

# Monochromacy



## Original Color

26.0670, -0.9660, 17.5140

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

26.1020, -0.0470, 6.3610

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 26.0670, -0.9660, 17.5140 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(36, 15, 57)` looks like.

```
.text, #text, p{  
    color:rgb(36, 15, 57)  
}
```

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(36, 15, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 15, 57) }
```

## Border

The CSS property to change the border of an element to YIQ 26.0670, -0.9660, 17.5140 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(36, 15, 57) }
```



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

```
.border{ border-color:rgb(36, 15, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 15, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 15, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 15, 57);  
box-shadow:4px 4px 4px 4px rgb(36, 15, 57)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 26.0670, -0.9660, 17.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 15, 57) }
```

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

```
.background{ background-color: rgb(36, 15,  
57) }
```

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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