

# Converting Colors

YIQ(18.8670, 19.6680, 6.9960)

Have a look what the booklet for  
YIQ(18.8670, 19.6680, 6.9960)  
contains.

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# Color

**YIQ(18.8670, 19.6680,  
6.9960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A0909
RGB	42, 9, 9
RGB Percent	16%, 4%, 4%
CMY	0.8352, 0.9648, 0.9646
CMYK	0.00, 0.79, 0.79, 0.84
HSL	360°, 65%, 10%
HSV	360°, 79%, 16%
XYZ	1.1026, 0.7075, 0.3375
YIQ	18.8670, 19.6680, 6.9960

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	42, 9, 9
Decimal	2754825
CIE Lab	6.39, 16.68, 6.19
CIE LCh	6, 17.788, 20.370
Yxy	0.7075, 0.5134, 0.3294
Android (android.graphics.Color)	4280944905 (0xFF2A0909)
YUV	18.8670, -4.8644, 20.2876
Hunter-Lab	8.4113, 8.6793, 3.5092

# Details

The YIQ color **18.8670, 19.6680, 6.9960** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **32.1330, -19.6680, -6.9960**, and the grayscale version is **19.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **63.2910, 21.4100, 8.4660**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **16.0630, 22.0520, 7.8440**, and if you desaturate by 10%, it is **21.6710, 17.2840, 6.1480**.

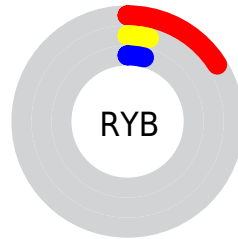
# Distribution



Red (16%)

Green (4%)

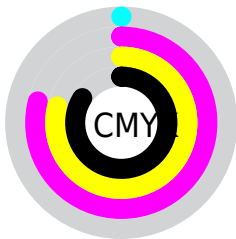
Blue (4%)



Red (16%)

Yellow (4%)

Blue (4%)

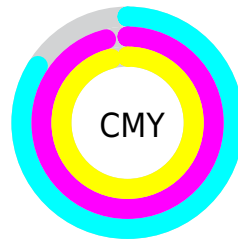


Cyan (0%)

Magenta (79%)

Yellow (79%)

Black (84%)



Cyan (84%)

Magenta (96%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 18.8670, 19.6680, 6.9960 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 18.8670, 19.6680, 6.9960 by changing the saturation by 10% instead.



■ 18.8670, 19.6680,  
6.9960

■ 18.8670, 19.6680,  
6.9960

■ 239.5780, 13.1120,  
4.6640

■ 0.8970, 1.7880,  
0.6360

■ 63.2910, 21.4100,  
8.4660

■ 0.0000, 0.0000,  
0.0000

■ 86.7750, 22.9230,  
8.5790


■ 111.9600, 23.8400,  
8.4800


■ 137.5580, 25.0320,  
8.9040


■ 164.1560, 26.2240,  
9.3280


■ 190.8680, 27.0950,


10.0630


 219.0530, 28.0120,  
9.9640


 18.8670, 19.6680,  
6.9960


 18.8670, 19.6680,  
6.9960


 16.0630, 22.0520,  
7.8440

 21.6710, 17.2840,  
6.1480


 13.2590, 24.4360,  
8.6920

 24.4750, 14.9000,  
5.3000

 12.5580, 25.0320,  
8.9040

 27.9800, 11.9200,  
4.2400

 30.7840, 9.5360,  
3.3920

 33.5880, 7.1520,  
2.5440

■ 36.3920, 4.7680,  
1.6960

■ 39.1960, 2.3840,  
0.8480

■ 42.7010, -0.5960,  
-0.2120

■ 45.5050, -2.9800,  
-1.0600

# Harmonies

## Analogous

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



20.0930, 13.3400, 11.5480



18.8670, 19.6680, 6.9960



19.2920, 19.6690, 1.4690

# Triad

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



18.8670, 19.6680, 6.9960



14.6750, -6.8750, -13.0750



18.4030, -20.1280, 1.3440

# Complementary

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



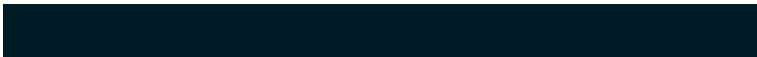
18.8670, 19.6680, 6.9960



32.1330, -19.6680, -6.9960

# 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.



19.5940, -19.3480, -1.7800



18.8670, 19.6680, 6.9960



17.5590, -12.2400, -9.4560

# Square

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



18.8670, 19.6680, 6.9960



18.2960, 4.6780, -7.6900



19.0410, -16.4130, -5.4130



19.5400, -10.0880, 6.6160



# Rectangle

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



18.8670, 19.6680, 6.9960



19.5580, 15.8640, -1.1600



19.0410, -16.4130, -5.4130



18.8760, -20.0820, 0.5100

# Sweetspot

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



18.8670, 19.6680, 6.9960



44.8870, 7.7480, 2.7560



22.3300, 8.4790, 17.0470



22.3920, 4.7680, 1.6960



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000



# Same Dimension

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



18.8670, 19.6680, 6.9960



18.2490, 30.3960, 10.8120



28.2590, 15.2680, -1.3720



18.5980, 1.1920, 0.4240



25.1160, 50.0640, 17.8080



63.3880, 126.3520, 44.9440



# Inverse Universe

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



18.8670, 19.6680, 6.9960



18.2490, 30.3960, 10.8120



22.7410, -15.2680, 1.3720



18.5980, 1.1920, 0.4240



25.1160, 50.0640, 17.8080

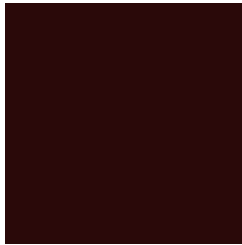


63.3880, 126.3520, 44.9440



# Previews

## White Background



This preview shows how the YIQ color 18.8670, 19.6680, 6.9960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

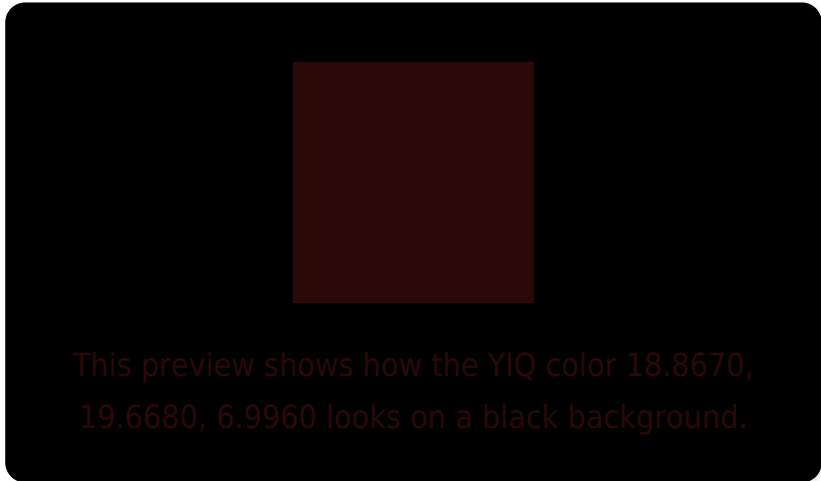
Any Text WCAG AA ✓ Pass

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

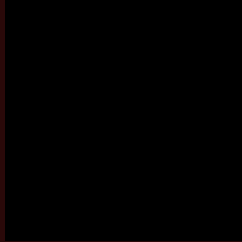
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 18.8670, 19.6680, 6.9960**

## **Background**



This preview shows how black text looks on a background with the YIQ color 18.8670, 19.6680, 6.9960.



This preview shows how white text looks on a background with the YIQ color 18.8670, 19.6680,



# 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

18.8670, 19.6680, 6.9960

### Protanopia

21.5720, 4.0810, -2.3750

### Deuteranopia

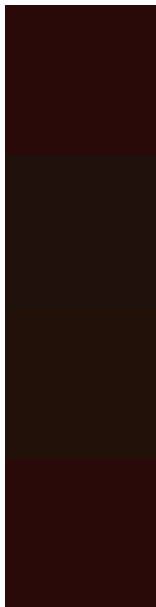
21.3830, 8.9870, -3.1810



**Tritanopia**

18.8670, 19.6680, 6.9960

# Trichromacy



## Original Color

18.8670, 19.6680, 6.9960

## Protanomaly

20.6160, 9.9490, 1.4130

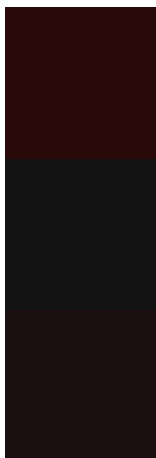
## Deuteranomaly

20.6440, 12.7460, 0.2820

## Tritanomaly

18.8670, 19.6680, 6.9960

# Monochromacy



## Original Color

18.8670, 19.6680, 6.9960

## Achromatopsia

19.0000, -0.0000, -0.0000

## Achromatomaly

18.5880, 7.1520, 2.5440

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 18.8670, 19.6680, 6.9960 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(42, 9, 9)` looks like.

```
.text, #text, p{  
    color:rgb(42, 9, 9)  
}
```

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(42, 9, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 9, 9) }
```

## Border

The CSS property to change the border of an element to YIQ 18.8670, 19.6680, 6.9960 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(42, 9, 9) }
```



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

```
.border{ border-color:rgb(42, 9, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 9, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 9, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 9, 9); box-shadow:4px  
4px 4px 4px rgb(42, 9, 9) }
```

# Background

The CSS property to change the background color of an element to YIQ 18.8670, 19.6680, 6.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 9, 9) }
```

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

```
.background{ background-color: rgb(42, 9,  
9) }
```

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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