

# Converting Colors

YIQ(24.9910, 13.3870, 5.1870)

Have a look what the booklet for  
YIQ(24.9910, 13.3870, 5.1870)  
contains.

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# Color

**YIQ(24.9910, 13.3870,  
5.1870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	291213
RGB	41, 18, 19
RGB Percent	16%, 7%, 7%
CMY	0.8392, 0.9294, 0.9254
CMYK	0.00, 0.56, 0.54, 0.84
HSL	357°, 39%, 12%
HSV	357°, 56%, 16%
XYZ	1.2488, 0.9511, 0.7344
YIQ	24.9910, 13.3870, 5.1870

# Conversions

## Conversions Part 2

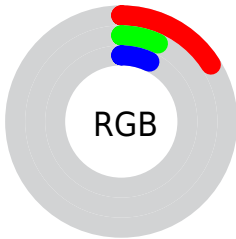
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">41, 18, 19</a>
Decimal	<a href="#">2691603</a>
CIELab	<a href="#">8.58, 12.05, 4.28</a>
CIELCh	<a href="#">9, 12.787, 19.568</a>
Yxy	<a href="#">0.9511, 0.4256, 0.3241</a>
Android (android.graphics.Color)	<a href="#">4280881683 (0xFF291213)</a>
YUV	<a href="#">24.9910, -2.9536, 14.0399</a>
Hunter-Lab	<a href="#">9.7523, 5.7912, 2.3614</a>

# Details

The YIQ color **24.9910, 13.3870, 5.1870** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **34.0090, -13.3870, -5.1870**, and the grayscale version is **25.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **68.4860, 16.3670, 6.2470**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **22.1870, 15.7710, 6.0350**, and if you desaturate by 10%, it is **27.7950, 11.0030, 4.3390**.

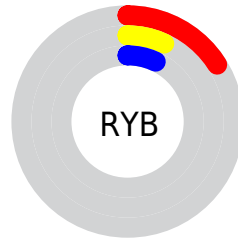
# Distribution



Red (16%)

Green (7%)

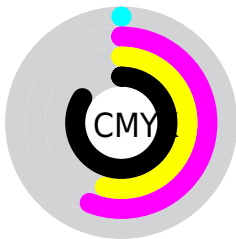
Blue (7%)



Red (16%)

Yellow (7%)

Blue (7%)

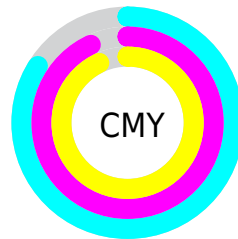


Cyan (0%)

Magenta (56%)

Yellow (54%)

Black (84%)



Cyan (84%)

Magenta (93%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 24.9910, 13.3870, 5.1870 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 24.9910, 13.3870, 5.1870 by changing the saturation by 10% instead.



■ 24.9910, 13.3870,  
5.1870

■ 24.9910, 13.3870,  
5.1870

■ 246.5880, 7.1520,  
2.5440

■ 4.4850, 8.9400,  
3.1800

■ 68.4860, 16.3670,  
6.2470

■ 0.0000, 0.0000,  
0.0000

■ 92.3720, 16.6880,  
5.9360


■ 117.0840, 17.5590,  
6.6710


■ 142.6820, 18.7510,  
7.0950


■ 169.5680, 19.0720,  
6.7840


■ 196.8670, 19.6680,


6.9960


 224.5790, 20.5390,  
7.7310


 24.9910, 13.3870,  
5.1870


 24.9910, 13.3870,  
5.1870


 22.1870, 15.7710,  
6.0350


 27.7950, 11.0030,  
4.3390


 19.3830, 18.1550,  
6.8830


 30.5990, 8.6190,  
3.4910


 16.5790, 20.5390,  
7.7310

 33.4030, 6.2350,  
2.6430

 13.7750, 22.9230,  
8.5790

 36.2070, 3.8510,  
1.7950

 12.4870, 23.7940,  
9.3140

 39.0110, 1.4670,  
0.9470

■ 42.4020, -1.1920,  
-0.4240

■ 45.0920, -3.2550,  
-1.5830

■ 47.8960, -5.6390,  
-2.4310

■ 50.7000, -8.0230,  
-3.2790

# Harmonies

## Analogous

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



25.4190, 9.3060, 7.5620



24.9910, 13.3870, 5.1870



24.3130, 15.1760, 0.2960

# Triad

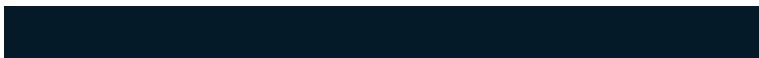
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.9910, 13.3870, 5.1870



22.1750, -2.2910, -8.0430



21.4310, -17.3310, 0.2130

# Complementary

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



24.9910, 13.3870, 5.1870



34.0090, -13.3870, -5.1870

# 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.



20.6540, -19.5770, -3.1370



24.9910, 13.3870, 5.1870



19.7160, -14.1200, -8.4240

# Square

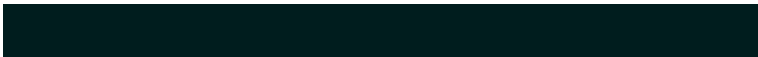
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.9910, 13.3870, 5.1870



23.2640, 7.7040, -7.4640



20.4430, -17.6050, -5.8370



25.0410, -7.2450, 4.6510



# Rectangle

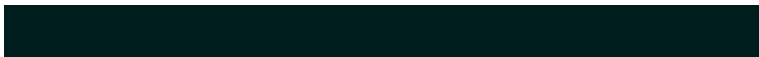
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.9910, 13.3870, 5.1870



23.9060, 14.7640, -3.2520



20.4430, -17.6050, -5.8370



20.7080, -19.6690, -1.4690

# Sweetspot

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



24.9910, 13.3870, 5.1870



47.1040, 5.6390, 2.4310



27.2000, 5.7290, 11.8170



23.9080, 3.2550, 1.5830



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.



24.9910, 13.3870, 5.1870



28.8780, 21.1350, 7.9430



30.7470, 10.9580, -0.3540



18.5980, 1.1920, 0.4240



25.5720, 48.7800, 19.0520



64.4140, 123.4630, 47.7430



# Inverse Universe

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



24.9910, 13.3870, 5.1870



28.8780, 21.1350, 7.9430



28.2530, -10.9580, 0.3540



18.5980, 1.1920, 0.4240



25.5720, 48.7800, 19.0520

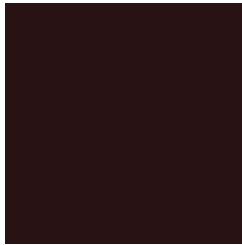


64.4140, 123.4630, 47.7430



# Previews

## White Background



This preview shows how the YIQ color 24.9910, 13.3870, 5.1870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

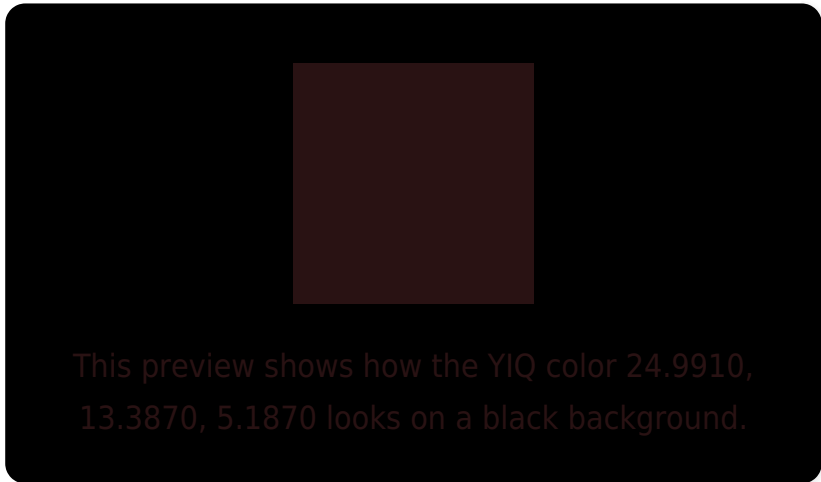
Any Text WCAG AA ✓ Pass

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

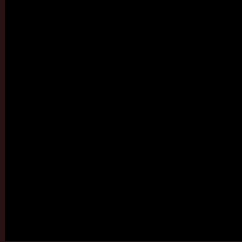
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 24.9910, 13.3870, 5.1870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 24.9910, 13.3870, 5.1870.



This preview shows how white text looks on a background with the YIQ color 24.9910, 13.3870,



# 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

24.9910, 13.3870, 5.1870

### Protanopia

25.2560, 2.1550, -0.5090

### Deuteranopia

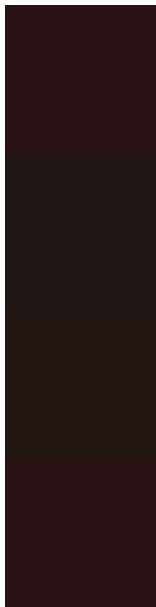
25.1100, 5.5020, -0.5940



## Tritanopia

24.9910, 13.3870, 5.1870

# Trichromacy



## Original Color

24.9910, 13.3870, 5.1870

## Protanomaly

24.8760, 6.2810, 1.8090

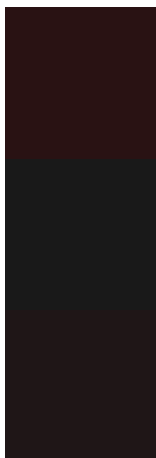
## Deuteranomaly

25.1320, 8.4360, 1.3000

## Tritanomaly

24.9910, 13.3870, 5.1870

# Monochromacy



## Original Color

24.9910, 13.3870, 5.1870

## Achromatopsia

25.0000, -0.0000, -0.0000

## Achromatomaly

24.8050, 5.0430, 2.2190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 24.9910, 13.3870, 5.1870 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(41, 18, 19)` looks like.

```
.text, #text, p{  
    color:rgb(41, 18, 19)  
}
```

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(41, 18, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 18, 19) }
```

## Border

The CSS property to change the border of an element to YIQ 24.9910, 13.3870, 5.1870 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(41, 18, 19) }
```



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

```
.border{ border-color:rgb(41, 18, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 18, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 18, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 18, 19);  
box-shadow:4px 4px 4px 4px rgb(41, 18, 19)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 24.9910, 13.3870, 5.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 18, 19) }
```

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

```
.background{ background-color: rgb(41, 18,  
19) }
```

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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