

# Converting Colors

YIQ(25.8370, 20.3530, 22.1210)

Have a look what the booklet for  
YIQ(25.8370, 20.3530, 22.1210)  
contains.

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# Color

**YIQ(25.8370, 20.3530,  
22.1210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B0629
RGB	59, 6, 41
RGB Percent	23%, 2%, 16%
CMY	0.7685, 0.9765, 0.8392
CMYK	0.00, 0.90, 0.31, 0.77
HSL	320°, 82%, 13%
HSV	320°, 90%, 23%
XYZ	2.2712, 1.2209, 2.2150
YIQ	25.8370, 20.3530, 22.1210

# Conversions

## Conversions Part 2

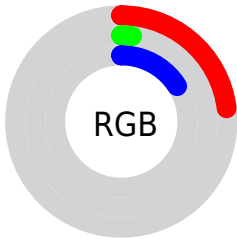
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 6, 41
Decimal	3868201
CIE <sub>Lab</sub>	10.71, 28.88, -8.54
CIE <sub>LCh</sub>	11, 30.121, 343.521
Yxy	1.2209, 0.3980, 0.2139
Android (android.graphics.Color)	4282058281 (0xFF3B0629)
YUV	25.8370, 7.4754, 29.0840
Hunter-Lab	11.0495, 17.3541, -4.1508




# Details

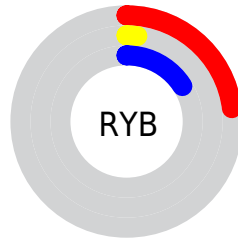
The YIQ color **25.8370, 20.3530, 22.1210** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **39.1630, -20.3530, -22.1210**, and the grayscale version is **26.0000, -0.0000, -0.0000**.




A 20% lighter version of the original color is **74.0930, 22.5080, 21.6120**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **22.0870, 22.6450, 24.6370**, and if you desaturate by 10%, it is **29.5870, 18.0610, 19.6050**.

# Distribution







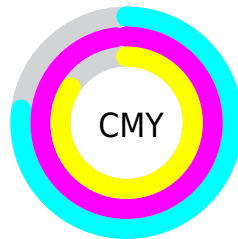
-  Red (23%)
-  Green (2%)
-  Blue (16%)






-  Red (23%)
-  Yellow (2%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (90%)
-  Yellow (31%)
-  Black (77%)




-  Cyan (77%)
-  Magenta (98%)
-  Yellow (84%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 25.8370, 20.3530, 22.1210 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 25.8370, 20.3530, 22.1210 by changing the saturation by 10% instead.




 25.8370, 20.3530,  
22.1210


 25.8370, 20.3530,  
22.1210


 245.0210, 4.6750,  
8.8910


 14.0550, 16.5030,  
14.7990


 74.0930, 22.5080,  
21.6120

 0.0000, 0.0000,  
0.0000

 98.8050, 23.3790,  
22.3470


 123.8160, 24.8460,  
23.2940


 150.1150, 25.4420,  
23.5060


 177.1260, 26.9090,  
24.4530


 205.4250, 27.5050,


24.6650


 226.8580, 15.8600,  
20.9480


 25.8370, 20.3530,  
22.1210


 25.8370, 20.3530,  
22.1210


 22.0870, 22.6450,  
24.6370

 29.5870, 18.0610,  
19.6050

 33.3370, 15.7690,  
17.0890

 37.0870, 13.4770,  
14.5730

 40.8370, 11.1850,  
12.0570

 44.0000, 9.1680,  
10.0640

■ 47.7500, 6.8760,  
7.5480

■ 51.5000, 4.5840,  
5.0320

■ 55.2500, 2.2920,  
2.5160

■ 59.0000, 0.0000,  
-0.0000

# Harmonies

## Analogous

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



29.5510, 0.5470, 17.6270



25.8370, 20.3530, 22.1210



23.1770, 30.8990, 18.2190

# Triad

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



25.8370, 20.3530, 22.1210



26.8680, 8.7590, -10.0650



28.2170, -28.4720, -1.6240

# Complementary

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



25.8370, 20.3530, 22.1210



39.1630, -20.3530, -22.1210

# 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.



26.6380, -22.6480, -8.0560



25.8370, 20.3530, 22.1210



21.7410, -7.2410, -17.4570

# Square

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



25.8370, 20.3530, 22.1210



27.8420, 20.8160, -2.8000



24.1300, -15.5860, -14.8980



27.7100, -31.1780, 3.3660



# Rectangle

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



25.8370, 20.3530, 22.1210



23.8210, 34.4770, 8.4370



24.1300, -15.5860, -14.8980



28.1200, -26.8210, -4.0130

# Sweetspot

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



25.8370, 20.3530, 22.1210



63.7610, 8.3430, 8.4950



17.4240, -6.2850, 20.2990



30.5000, 4.5840, 5.0320



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.



25.8370, 20.3530, 22.1210



28.8370, 29.5210, 32.1850



22.8730, 28.6990, 14.0350



29.1250, 1.1460, 1.2580



35.1740, 36.1220, 39.2100



83.0220, 85.4460, 92.4700



# Inverse Universe

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



25.8370, 20.3530, 22.1210



28.8370, 29.5210, 32.1850



42.1270, -28.6990, -14.0350



29.1250, 1.1460, 1.2580



35.1740, 36.1220, 39.2100

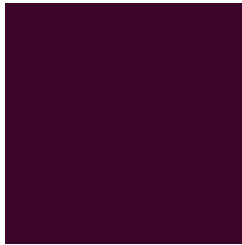


83.0220, 85.4460, 92.4700



# Previews

## White Background



This preview shows how the YIQ color 25.8370, 20.3530, 22.1210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

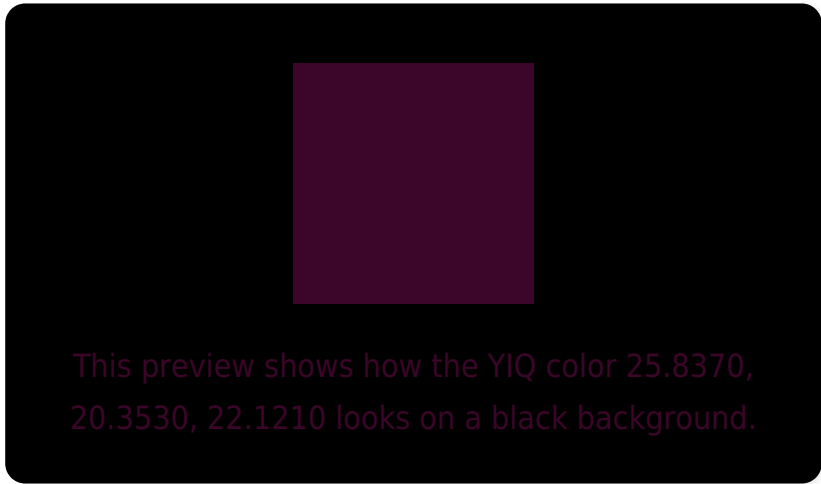
Any Text WCAG AA ✓ Pass

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

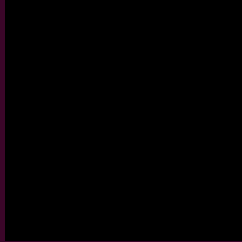
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 25.8370, 20.3530, 22.1210

## Background



This preview shows how black text looks on a background with the YIQ color 25.8370, 20.3530, 22.1210.



This preview shows how white text looks on a background with the YIQ color 25.8370, 20.3530,



# 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

25.8370, 20.3530, 22.1210

### Protanopia

30.4900, -15.8190, 5.8530

### Deuteranopia

32.0970, -1.6510, 2.3890



## Tritanopia

29.0740, 23.5190, 8.7910

# Trichromacy



## Original Color

25.8370, 20.3530, 22.1210

## Protanomaly

29.0080, -2.4780, 11.8740

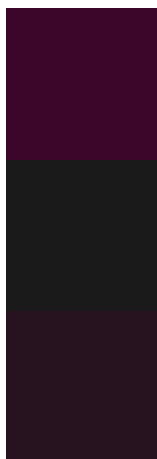
## Deuteranomaly

29.9180, 6.4630, 9.5270

## Tritanomaly

27.9370, 22.6470, 13.5830

# Monochromacy



## Original Color

25.8370, 20.3530, 22.1210

## Achromatopsia

26.0000, -0.0000, -0.0000

## Achromatomaly

26.0490, 7.4720, 7.7600

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 25.8370, 20.3530, 22.1210 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(59, 6, 41)` looks like.

```
.text, #text, p{  
    color:rgb(59, 6, 41)  
}
```

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(59, 6, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 6, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 25.8370, 20.3530, 22.1210 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(59, 6, 41) }
```



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

```
.border{ border-color:rgb(59, 6, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 6, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 6, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 6, 41); box-shadow:4px  
4px 4px 4px rgb(59, 6, 41) }
```

# Background

The CSS property to change the background color of an element to YIQ 25.8370, 20.3530, 22.1210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 6, 41) }
```

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

```
.background{ background-color: rgb(59, 6,  
41) }
```

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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