

# Converting Colors

YIQ(33.1020, 27.4570, 36.5530)

Have a look what the booklet for  
YIQ(33.1020, 27.4570, 36.5530)  
contains.

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# Color

**YIQ(33.1020, 27.4570,  
36.5530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	520241
RGB	82, 2, 65
RGB Percent	32%, 1%, 25%
CMY	0.6782, 0.9923, 0.7450
CMYK	0.00, 0.98, 0.21, 0.68
HSL	313°, 95%, 16%
HSV	313°, 98%, 32%
XYZ	4.4607, 2.2210, 5.1969
YIQ	33.1020, 27.4570, 36.5530

# Conversions

## Conversions Part 2

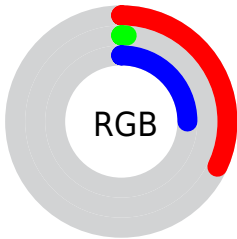
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 2, 65
Decimal	5374529
CIE <sub>Lab</sub>	16.61, 39.81, -16.33
CIE <sub>LCh</sub>	17, 43.027, 337.696
Yxy	2.2210, 0.3755, 0.1870
Android (android.graphics.Color)	4283564609 (0xFF520241)
YUV	33.1020, 15.7257, 42.8835
Hunter-Lab	14.9030, 27.3476, -10.2435

# Details

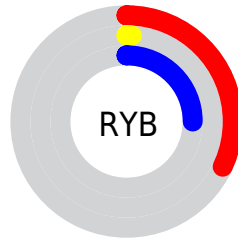
The YIQ color **33.1020, 27.4570, 36.5530** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **50.8980, -27.4570, -36.5530**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **86.9940, 27.6410, 33.2170**, and **12.6740, 13.2020, 14.0500** is the 20% darker color. If you saturate the color by 10%, you get **31.9280, 28.0070, 37.5990**, and if you desaturate by 10%, it is **38.0260, 24.6150, 32.9910**.

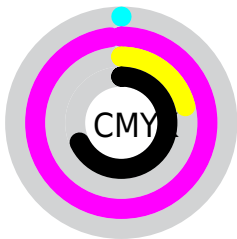
# Distribution



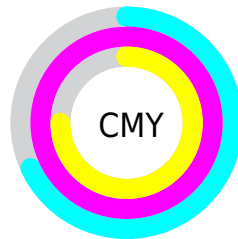
- Red (32%)
- Green (1%)
- Blue (25%)



- Red (32%)
- Yellow (1%)
- Blue (25%)



- Cyan (0%)
- Magenta (98%)
- Yellow (21%)
- Black (68%)




- Cyan (68%)
- Magenta (99%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 33.1020, 27.4570, 36.5530 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 33.1020, 27.4570, 36.5530 by changing the saturation by 10% instead.





 33.1020, 27.4570,  
36.5530


 33.1020, 27.4570,  
36.5530

 250.3040, 2.2000,  
4.1840


 21.9450, 20.1690,  
25.4570


 86.9940, 27.6410,  
33.2170


 12.6740, 13.2020,  
14.0500

 113.0050, 29.1080,  
34.1640

 0.0000, 0.0000,  
0.0000


 139.6030, 30.3000,  
34.5880


 166.3150, 31.1710,  
35.3230


 194.0270, 32.0420,  
36.0580


 216.1610, 19.8010,


32.1290


 233.2810, 10.1750,  
19.3510


 33.1020, 27.4570,  
36.5530


 33.1020, 27.4570,  
36.5530


 31.9280, 28.0070,  
37.5990

 38.0260, 24.6150,  
32.9910

 42.9500, 21.7730,  
29.4290

 48.3470, 18.9770,  
25.0330

 53.2710, 16.1350,  
21.4710

 58.1950, 13.2930,  
17.9090

■ 63.0050, 10.7720,  
14.0360

■ 67.9290, 7.9300,  
10.4740

■ 73.4400, 4.8130,  
6.3890

■ 78.3640, 1.9710,  
2.8270

# Harmonies

## Analogous

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



41.3470, -7.3860, 23.7340



33.1020, 27.4570, 36.5530



31.7970, 44.1930, 30.6010

# Triad

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



33.1020, 27.4570, 36.5530



38.1090, 15.2700, -12.4260



40.0030, -39.6130, -3.4610

# Complementary

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



33.1020, 27.4570, 36.5530



50.8980, -27.4570, -36.5530

# 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.



36.5830, -29.9830, -12.7910



33.1020, 27.4570, 36.5530



31.4540, -8.1110, -23.7190

# Square

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



33.1020, 27.4570, 36.5530



38.5400, 33.4700, -0.8500



32.3480, -19.4360, -22.2200



41.2230, -45.8040, 4.1160



# Rectangle

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



33.1020, 27.4570, 36.5530



28.5060, 49.1460, 23.4340



32.3480, -19.4360, -22.2200



39.5640, -36.9990, -6.7830

# Sweetspot

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



33.1020, 27.4570, 36.5530



88.0050, 10.7720, 14.0360



15.9040, -16.1440, 28.2720



42.3910, 6.5090, 8.6930



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



33.1020, 27.4570, 36.5530



41.5690, 36.8080, 48.8080



28.6560, 39.9760, 24.4240



38.5380, 1.4210, 1.7810



40.7430, 36.2580, 47.7620



90.2300, 79.5290, 106.0970



# Inverse Universe

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



33.1020, 27.4570, 36.5530



41.5690, 36.8080, 48.8080



55.3440, -39.9760, -24.4240



38.5380, 1.4210, 1.7810



40.7430, 36.2580, 47.7620

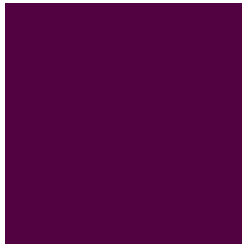


90.2300, 79.5290, 106.0970



# Previews

## White Background



This preview shows how the YIQ color 33.1020, 27.4570, 36.5530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

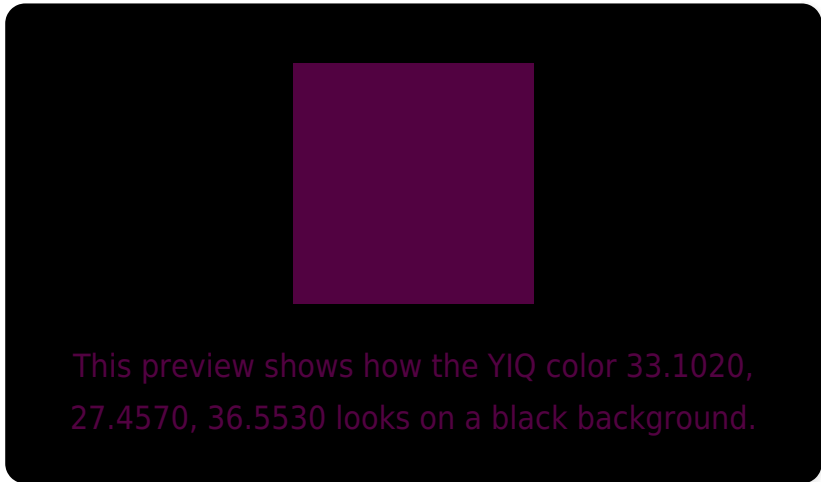
Any Text WCAG AA ✓ Pass

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

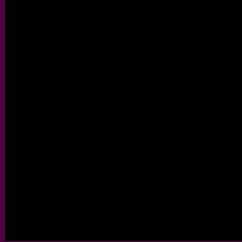
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 33.1020, 27.4570, 36.5530**

## **Background**



This preview shows how black text looks on a background with the YIQ color 33.1020, 27.4570, 36.5530.



This preview shows how white text looks on a background with the YIQ color 33.1020, 27.4570,



# 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

33.1020, 27.4570, 36.5530

### Protanopia

36.3270, -40.1650, 6.5470

### Deuteranopia

44.7420, -7.8410, 4.4390



## Tritanopia

41.9610, 31.2670, 11.5470

# Trichromacy



## Original Color

33.1020, 27.4570, 36.5530

## Protanomaly

35.0530, -15.5460, 17.4300

## Deuteranomaly

40.5360, 4.9030, 15.7750

## Tritanomaly

38.5730, 29.8440, 20.8200

# Monochromacy



## Original Color

33.1020, 27.4570, 36.5530

## Achromatopsia

33.0000, -0.0000, -0.0000

## Achromatomaly

33.2930, 9.9010, 13.3010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 33.1020, 27.4570, 36.5530 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(82, 2, 65)` looks like.

```
.text, #text, p{  
    color:rgb(82, 2, 65)  
}
```

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(82, 2, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 2, 65) }
```

## Border

The CSS property to change the border of an element to YIQ 33.1020, 27.4570, 36.5530 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(82, 2, 65) }
```



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

```
.border{ border-color:rgb(82, 2, 65) }
```

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

Here you see how a box with a 4 pixel rgb(82, 2, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 2, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 2, 65); box-shadow:4px  
4px 4px 4px rgb(82, 2, 65) }
```

# Background

The CSS property to change the background color of an element to YIQ 33.1020, 27.4570, 36.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 2, 65) }
```

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

```
.background{ background-color: rgb(82, 2,  
65) }
```

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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