

# Converting Colors

YIQ(37.2720, 5.2260, 4.4100)

Have a look what the booklet for  
YIQ(37.2720, 5.2260, 4.4100)  
contains.

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# Color

**YIQ(37.2720, 5.2260, 4.4100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D2127
RGB	45, 33, 39
RGB Percent	18%, 13%, 15%
CMY	0.8235, 0.8706, 0.8470
CMYK	0.00, 0.27, 0.13, 0.82
HSL	330°, 15%, 15%
HSV	330°, 27%, 18%
XYZ	1.9925, 1.7920, 2.1607
YIQ	37.2720, 5.2260, 4.4100

# Conversions

## Conversions Part 2

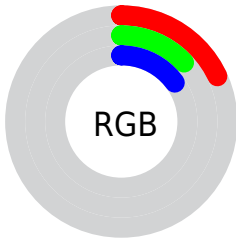
Format	Color
<b>RYB</b>	45, 33, 39
Decimal	2957607
CIELab	14.36, 7.02, -1.81
CIELCh	14, 7.253, 345.552
Yxy	1.7920, 0.3351, 0.3014
Android (android.graphics.Color)	4281147687 (0xFF2D2127)
YUV	37.2720, 0.8519, 6.7775
Hunter-Lab	13.3866, 3.1424, -0.1991

# Details

The YIQ color **37.2720, 5.2260, 4.4100** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **40.7280, -5.2260, -4.4100**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.9840, 6.0970, 5.1450**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.1090, 7.2430, 6.4030**, and if you desaturate by 10%, it is **39.8480, 3.4840, 2.9400**.

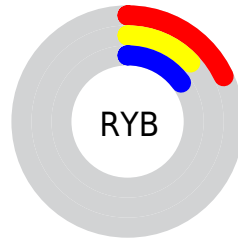
# Distribution



Red (18%)

Green (13%)

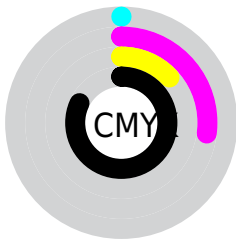
Blue (15%)



Red (18%)

Yellow (13%)

Blue (15%)

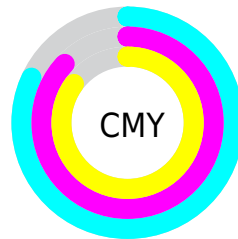


Cyan (0%)

Magenta (27%)

Yellow (13%)

Black (82%)



Cyan (82%)

Magenta (87%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 37.2720, 5.2260, 4.4100 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 37.2720, 5.2260, 4.4100 by changing the saturation by 10% instead.



■ 37.2720, 5.2260,  
4.4100

■ 37.2720, 5.2260,  
4.4100

■ 255.0000, -0.0000,  
-0.0000

■ 15.9840, 6.0970,  
5.1450

■ 81.9840, 6.0970,  
5.1450

■ 0.0000, 0.0000,  
0.0000

■ 105.9840, 6.0970,  
5.1450

■ 131.2830, 6.6930,  
5.3570

■ 157.2830, 6.6930,  
5.3570

■ 184.5820, 7.2890,  
5.5690

■ 211.9950, 7.5640,

6.0920

239.9950, 7.5640,  
6.0920

37.2720, 5.2260,  
4.4100

37.2720, 5.2260,  
4.4100

34.1090, 7.2430,  
6.4030

39.8480, 3.4840,  
2.9400

31.5330, 8.9850,  
7.8730

43.1250, 1.1460,  
1.2580

28.2560, 11.3230,  
9.5550

45.7010, -0.5960,  
-0.2120

25.6800, 13.0650,  
11.0250

48.8640, -2.6130,  
-2.2050

22.5170, 15.0820,  
13.0180

52.0270, -4.6300,  
-4.1980

■ 19.9410, 16.8240,  
14.4880

■ 54.7170, -6.6930,  
-5.3570

■ 16.6640, 19.1620,  
16.1700

■ 57.8800, -8.7100,  
-7.3500

■ 16.0770, 19.4370,  
16.6930

■ 60.4560, -10.4520,  
-8.8200

■ 63.6190, -12.4690,  
-10.8130

# Harmonies

## Analogous

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



36.8200, 0.6870, 4.0710



37.2720, 5.2260, 4.4100



37.3000, 8.0230, 3.2790

# Triad

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



37.2720, 5.2260, 4.4100



35.8600, 3.2100, -3.1100



34.6720, -10.8200, -2.1480

# Complementary

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



37.2720, 5.2260, 4.4100



40.7280, -5.2260, -4.4100

# 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.



34.2160, -9.5360, -3.3920



37.2720, 5.2260, 4.4100



35.1800, -0.6870, -4.0710

# Square

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



37.2720, 5.2260, 4.4100



36.4800, 7.3360, -0.7920



34.5430, -6.1430, -4.3110



35.6230, -9.1240, 0.1560



# Rectangle

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



37.2720, 5.2260, 4.4100



36.9580, 8.9860, 2.3460



34.5430, -6.1430, -4.3110



34.2590, -11.0950, -2.6710

# Sweetspot

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



37.2720, 5.2260, 4.4100



55.7230, 2.3380, 1.6820



36.1620, -0.2760, 5.0040



29.0110, 1.4670, 0.9470



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000



# Same Dimension

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



37.2720, 5.2260, 4.4100



46.7070, 8.4350, 6.8270



36.5880, 7.1520, 2.5440



21.7120, 0.8710, 0.7350



30.9150, 38.0490, 31.8170



76.1840, 93.1970, 78.6450



# Inverse Universe

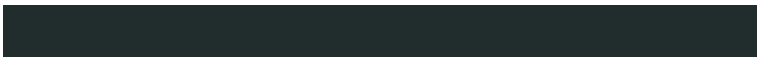
The Inverse Universe completely reimagines the original color for something new.



37.2720, 5.2260, 4.4100



46.7070, 8.4350, 6.8270



41.4120, -7.1520, -2.5440



21.7120, 0.8710, 0.7350



30.9150, 38.0490, 31.8170

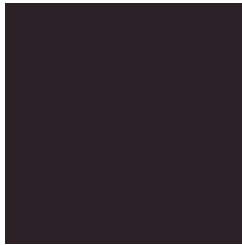


76.1840, 93.1970, 78.6450



# Previews

## White Background



This preview shows how the YIQ color 37.2720, 5.2260, 4.4100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

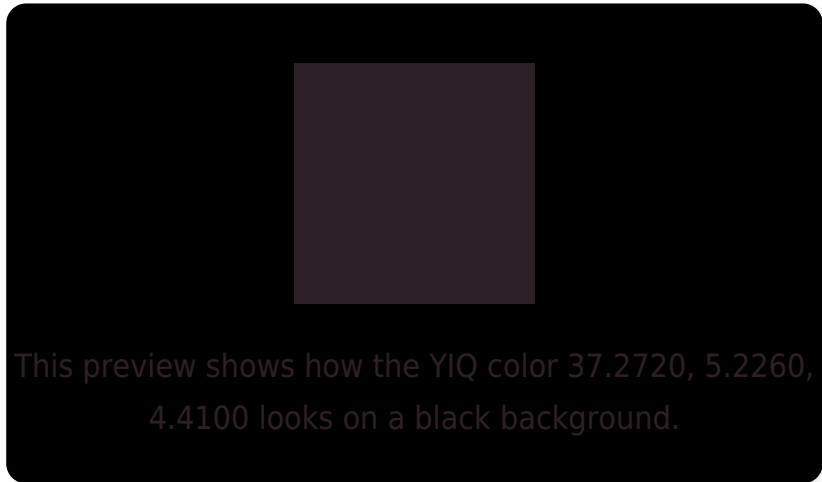
Any Text WCAG AA ✓ Pass

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 37.2720, 5.2260, 4.4100**

## **Background**



This preview shows how black text looks on a background with the YIQ color 37.2720, 5.2260, 4.4100.

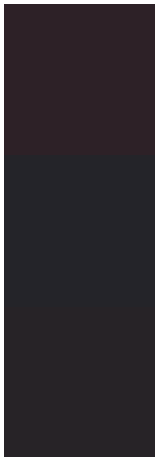


This preview shows how white text looks on a background with the YIQ color 37.2720, 5.2260, 4.4100.

# 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

37.2720, 5.2260, 4.4100

### Protanopia

36.5700, -1.6050, 1.5550

### Deuteranopia

36.6520, 1.1000, 2.0920



## Tritanopia

36.9300, 6.1890, 3.4770

# Trichromacy



## Original Color

37.2720, 5.2260, 4.4100

## Protanomaly

36.7660, 0.7790, 2.4030

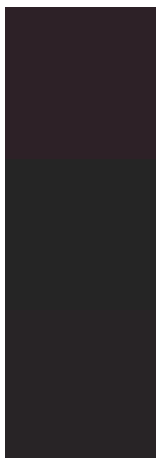
## Deuteranomaly

36.6630, 2.5670, 3.0390

## Tritanomaly

37.0440, 5.8680, 3.7880

# Monochromacy



## Original Color

37.2720, 5.2260, 4.4100

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

37.4240, 1.7420, 1.4700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 37.2720, 5.2260, 4.4100 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(45, 33, 39)` looks like.

```
.text, #text, p{  
    color:rgb(45, 33, 39)  
}
```

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(45, 33, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 33, 39) }
```

## Border

The CSS property to change the border of an element to YIQ 37.2720, 5.2260, 4.4100 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(45, 33, 39) }
```

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

```
.border{ border-color:rgb(45, 33, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 33, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 33, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 33, 39);  
box-shadow:4px 4px 4px 4px rgb(45, 33, 39)  
}
```



# Background

The CSS property to change the background color of an element to YIQ 37.2720, 5.2260, 4.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 33, 39) }
```

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

```
.background{ background-color: rgb(45, 33,  
39) }
```

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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