

# Converting Colors

XYZ(37.8627, 41.3459, 52.0050)

Have a look what the booklet for  
XYZ(37.8627, 41.3459, 52.0050)  
contains.

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# Color

**XYZ(37.7972, 41.2306,  
51.8651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CAF <sup>B</sup> 9
RGB	156, 175, 185
RGB Percent	61%, 69%, 73%
CMY	0.3882, 0.3137, 0.2745
CMYK	0.16, 0.05, 0.00, 0.27
HSL	201°, 17%, 67%
HSV	201°, 16%, 73%
XYZ	37.7972, 41.2306, 51.8651
YIQ	170.4590, -14.5340, -0.9180

# Conversions

## Conversions Part 2

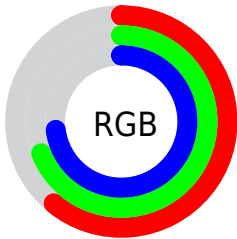
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 167, 185
Decimal	10268601
CIE Lab	70.34, -4.46, -7.34
CIE LCh	70, 8.586, 238.727
Yxy	41.2306, 0.2888, 0.3150
Android (android.graphics.Color)	4288458681 (0xFF9CAF <sub>B9</sub> )
YUV	170.4590, 7.1687, -12.6805
Hunter-Lab	64.2111, -7.2971, -2.9425

# Details

The XYZ color **37.7972, 41.2306, 51.8651** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.6448, 39.9870, 37.0820**, and the grayscale version is **38.4090, 40.4093, 44.0057**.

A 20% lighter version of the original color is **71.3171, 77.3516, 94.3906**, and **16.9567, 18.7749, 24.5600** is the 20% darker color. If you saturate the color by 10%, you get **33.2745, 37.1006, 51.3070**, and if you desaturate by 10%, it is **42.9262, 45.7624, 52.4702**.

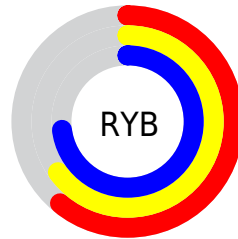
# Distribution



Red (61%)

Green (69%)

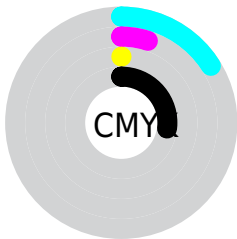
Blue (73%)



Red (61%)

Yellow (65%)

Blue (73%)

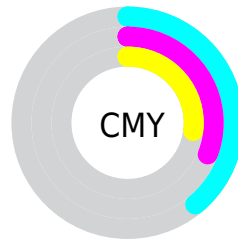


Cyan (16%)

Magenta (5%)

Yellow (0%)

Black (27%)



Cyan (39%)

Magenta (31%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7972, 41.2306, 51.8651 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 XYZ color 37.7972, 41.2306, 51.8651 by changing the saturation by 10% instead.



■ 37.7972, 41.2306,  
51.8651

■ 37.7972, 41.2306,  
51.8651

328.0451,  
351.2835, 410.8577

■ 26.0018, 28.4993,  
36.5161

■ 71.1031, 77.0338,  
94.3568

■ 16.9577, 18.7024,  
24.5402

■ 93.3443, 100.8746,  
122.3366

■ 10.2994, 11.4554,  
15.5189

119.7982,  
129.1872, 155.3636

■ 5.6617, 6.3740,  
9.0337

150.8301,  
162.3562, 193.8566

■ 2.6792, 3.0738,  
4.6661

186.8054,  
200.7660, 238.2339

■ 0.9865, 1.1704,  
1.9974

228.0895,

■ 0.0000, 0.0373,

244.8008, 288.9142

0.5537

275.0476,  
294.8452, 346.3159

■ 0.0000, 0.0000,  
0.0000

■ 37.7972, 41.2306,  
51.8651

■ 37.7972, 41.2306,  
51.8651

■ 33.2745, 37.1006,  
51.3070

■ 42.9262, 45.7624,  
52.4702

■ 29.3291, 33.3530,  
50.7915

■ 48.6818, 50.7043,  
53.1207

■ 25.9349, 29.9742,  
50.3183

■ 55.0875, 56.0707,  
53.8189

■ 23.0624, 26.9477,  
49.8855

■ 62.1647, 61.8738,  
54.5660

■ 20.6788, 24.2554,  
49.4915

■ 69.9338, 68.1251,  
55.3631

■ 18.7476, 21.8772,  
49.1342

■ 73.8595, 72.4878,  
55.9983

■ 17.2264, 19.7899,  
48.8115

■ 75.4982, 75.7651,  
56.5445

■ 16.0625, 17.9649,  
48.5206

■ 77.2007, 79.1701,  
57.1120

■ 15.6215, 17.2317,  
48.4023

■ 78.9677, 82.7041,  
57.7010

# Harmonies

## Analogous

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



36.8577, 41.2306, 48.7311



37.7972, 41.2306, 51.8651



39.1282, 41.2306, 53.1156

# Triad

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



37.7972, 41.2306, 51.8651



41.9632, 41.2306, 45.0660



37.8992, 41.2306, 38.4199

# Complementary

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



37.7972, 41.2306, 51.8651



39.6448, 39.9870, 37.0820

# 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.



39.2488, 41.2306, 37.5662



37.7972, 41.2306, 51.8651



41.6154, 41.2306, 41.2621

# Square

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



37.7972, 41.2306, 51.8651



41.5527, 41.2306, 49.0476



40.6134, 41.2306, 38.5757



36.9156, 41.2306, 40.9801



# Rectangle

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



37.7972, 41.2306, 51.8651



40.0657, 41.2306, 52.6591



40.6134, 41.2306, 38.5757



38.3241, 41.2306, 37.9309

# Sweetspot

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



37.7984, 41.2323, 51.8660



77.4595, 82.4634, 94.0391



37.9124, 44.5075, 42.5097



16.5519, 17.6498, 20.2560



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



37.7984, 41.2323, 51.8660



64.6275, 71.0744, 92.5171



35.1838, 36.0030, 50.9945



8.9990, 9.6752, 11.4726



10.7067, 11.8730, 32.9805



0.4327, 0.5291, 1.1811



# Inverse Universe

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



39.6349, 37.1873, 45.6482



68.6146, 62.5081, 78.9693



42.3639, 45.4252, 37.9884



9.2458, 9.1087, 10.6419



16.0179, 7.9809, 13.2470



0.5926, 0.2925, 0.6139



# Previews

## White Background



This preview shows how the XYZ color 37.7972, 41.2306, 51.8651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

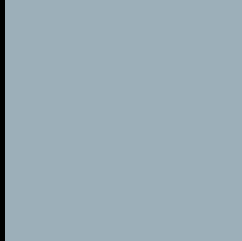
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7972, 41.2306, 51.8651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

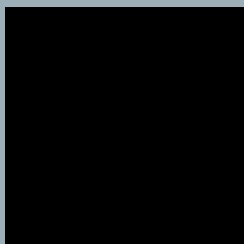
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

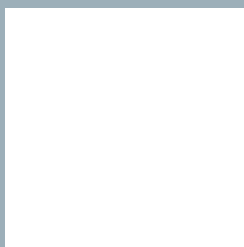
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.7972, 41.2306, 51.8651**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7972, 41.2306, 51.8651.



This preview shows how white text looks on a background with the XYZ color 37.7972, 41.2306,



# 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

37.7972, 41.2306, 51.8651

### Protanopia

40.0197, 41.2739, 50.1134

### Deuteranopia

42.0798, 41.1704, 52.7425



## Tritanopia

38.1178, 41.0710, 53.4954

# Trichromacy



## Original Color

37.7972, 41.2306, 51.8651

## Protanomaly

39.0257, 41.0309, 50.6626

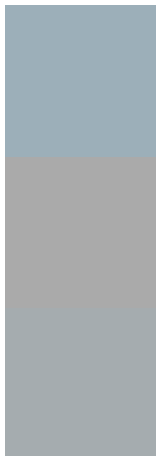
## Deuteranomaly

40.4712, 41.1789, 52.2696

## Tritanomaly

38.0103, 41.0281, 52.9296

# Monochromacy



## Original Color

37.7972, 41.2306, 51.8651

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.0074, 40.5995, 46.3907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7972, 41.2306, 51.8651 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(156, 175, 185)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 185)  
}
```

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(156, 175, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7972, 41.2306, 51.8651 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(156, 175, 185) }
```



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

```
.border{ border-color:rgb(156, 175, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 175, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 175, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 175, 185);  
box-shadow:4px 4px 4px 4px rgb(156, 175,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7972, 41.2306, 51.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 185) }
```

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

```
.background{ background-color: rgb(156,  
175, 185) }
```

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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