

# Converting Colors

XYZ(29.1193, 29.3597, 37.6080)

Have a look what the booklet for  
XYZ(29.1193, 29.3597, 37.6080)  
contains.

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# **Color**

**XYZ(29.0482, 29.2729,  
37.3769)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9691A0
RGB	150, 145, 160
RGB Percent	59%, 57%, 63%
CMY	0.4118, 0.4314, 0.3725
CMYK	0.06, 0.09, 0.00, 0.37
HSL	260°, 7%, 60%
HSV	260°, 9%, 63%
XYZ	29.0482, 29.2729, 37.3769
YIQ	148.2050, -1.8350, 5.7250

# Conversions

## Conversions Part 2

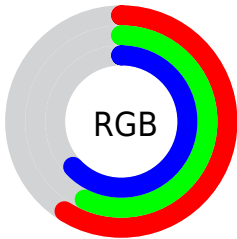
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 145, 160
Decimal	9867680
CIE <sub>Lab</sub>	61.02, 4.80, -7.24
CIE <sub>LCh</sub>	61, 8.690, 303.556
Yxy	29.2729, 0.3035, 0.3059
Android (android.graphics.Color)	4288057760 (0xFF9691A0)
YUV	148.2050, 5.8149, 1.5742
Hunter-Lab	54.1044, 1.1523, -3.0861

# Details

The XYZ color **29.0482, 29.2729, 37.3769** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2003, 34.1553, 31.7377**, and the grayscale version is **28.2116, 29.6808, 32.3224**.

A 20% lighter version of the original color is **57.5910, 58.5905, 72.5637**, and **11.9981, 11.9412, 16.1405** is the 20% darker color. If you saturate the color by 10%, you get **24.8990, 23.7572, 36.5314**, and if you desaturate by 10%, it is **33.7222, 35.5719, 38.3468**.

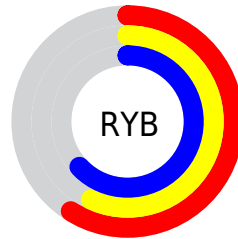
# Distribution



Red (59%)

Green (57%)

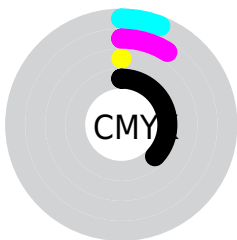
Blue (63%)



Red (59%)

Yellow (57%)

Blue (63%)

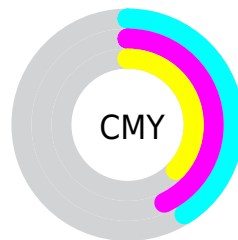


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (37%)



Cyan (41%)

Magenta (43%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0482, 29.2729, 37.3769 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 29.0482, 29.2729, 37.3769 by changing the saturation by 10% instead.



■ 29.0482, 29.2729,  
37.3769

■ 29.0482, 29.2729,  
37.3769

289.4324,  
298.5004, 350.1571

■ 19.2618, 19.2874,  
25.2014

■ 57.5507, 58.5104,  
72.3449

■ 11.9647, 11.8781,  
16.0068

■ 76.9974, 78.5311,  
95.9744

■ 6.7917, 6.6607,  
9.3745

100.3950,  
102.6657, 124.2590

■ 3.3773, 3.2508,  
4.8861

128.1087,  
131.2986, 157.6172

■ 1.3563, 1.2641,  
2.1230

160.5040,  
164.8141, 196.4676

■ 0.2248, 0.1131,  
0.6294

197.9461,

■ 0.0000, 0.0000,

203.5966, 241.2287

0.0000

240.8005,  
248.0306, 292.3190

■ 29.0482, 29.2729,  
37.3769

■ 29.0482, 29.2729,  
37.3769

■ 24.8990, 23.7572,  
36.5314

■ 33.7222, 35.5719,  
38.3468

■ 21.2530, 18.9900,  
35.8034

■ 38.9365, 42.6799,  
39.4440

■ 18.0908, 14.9393,  
35.1882

■ 44.7091, 50.6257,  
40.6734

■ 15.3907, 11.5695,  
34.6801

■ 51.0564, 59.4359,  
42.0394

■ 13.1291, 8.8417,  
34.2728

■ 57.9940, 69.1356,  
43.5460

■ 11.2805, 6.7129,  
33.9593

■ 65.5370, 79.7492,  
45.1971

■ 9.8160, 5.1348,  
33.7319

■ 73.0573, 90.0145,  
46.7821

■ 8.7027, 4.0511,  
33.5814

■ 76.4818, 91.7799,  
46.9424

■ 7.8766, 3.3437,  
33.4884

■ 80.1178, 93.6543,  
47.1125

# Harmonies

## Analogous

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



27.9588, 29.2729, 38.5348



29.0482, 29.2729, 37.3769



29.8254, 29.2729, 34.7415

# Triad

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



29.0482, 29.2729, 37.3769



28.8073, 29.2729, 26.5927



25.6989, 29.2729, 32.2629

# Complementary

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



29.0482, 29.2729, 37.3769



31.2003, 34.1553, 31.7377

# 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.



25.9123, 29.2729, 29.1673



29.0482, 29.2729, 37.3769



27.6877, 29.2729, 26.0273

# Square

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



29.0482, 29.2729, 37.3769



29.6837, 29.2729, 28.5382



26.6328, 29.2729, 26.9382



26.0418, 29.2729, 35.4584



# Rectangle

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



29.0482, 29.2729, 37.3769



30.0509, 29.2729, 32.5806



26.6328, 29.2729, 26.9382



25.7080, 29.2729, 31.1762

# Sweetspot

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



29.0491, 29.2741, 37.3775



57.9901, 60.2060, 68.9510



29.7862, 32.0848, 37.8812



12.5718, 13.0067, 15.0916



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



29.0491, 29.2741, 37.3775



51.2882, 51.2060, 67.5671



30.4249, 29.9834, 37.4419



6.4826, 6.5373, 8.3268



6.1421, 2.5954, 26.0845



0.1522, 0.0682, 0.4684



# Inverse Universe

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



30.5400, 30.0923, 35.2107



54.4965, 52.9670, 62.8788



29.8502, 33.4593, 31.6746



6.8101, 6.7170, 7.8511



13.3685, 6.6520, 11.4576



0.2578, 0.1265, 0.3038



# Previews

## White Background



This preview shows how the XYZ color 29.0482, 29.2729, 37.3769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0482, 29.2729, 37.3769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

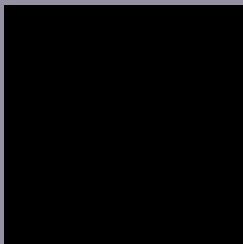
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.0482, 29.2729, 37.3769**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0482, 29.2729, 37.3769.



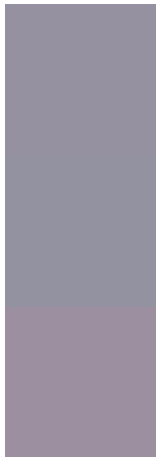
This preview shows how white text looks on a background with the XYZ color 29.0482, 29.2729,



# 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

29.0482, 29.2729, 37.3769

### Protanopia

28.5660, 29.2420, 37.8569

### Deuteranopia

29.6852, 29.1515, 37.3199



## Tritanopia

28.7889, 29.1691, 36.0112

# Trichromacy



## Original Color

29.0482, 29.2729, 37.3769

## Protanomaly

28.7445, 29.3340, 37.8652

## Deuteranomaly

29.4553, 29.2569, 37.3524

## Tritanomaly

28.8746, 29.2035, 36.4627

# Monochromacy



## Original Color

29.0482, 29.2729, 37.3769

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

28.4956, 29.5240, 33.9026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0482, 29.2729, 37.3769 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(150, 145, 160)` looks like.

```
.text, #text, p{  
    color:rgb(150, 145, 160)  
}
```

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(150, 145, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 145, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0482, 29.2729, 37.3769 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(150, 145, 160) }
```



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

```
.border{ border-color:rgb(150, 145, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 145, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 145, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 145, 160);  
box-shadow:4px 4px 4px 4px rgb(150, 145,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0482, 29.2729, 37.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 145, 160) }
```

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

```
.background{ background-color: rgb(150,  
145, 160) }
```

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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