

# Converting Colors

XYZ(28.4934, 31.2639, 37.3357)

Have a look what the booklet for  
XYZ(28.4934, 31.2639, 37.3357)  
contains.

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# Color

**XYZ(28.6268, 31.4349,  
37.3596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8B9B9F
RGB	139, 155, 159
RGB Percent	55%, 61%, 62%
CMY	0.4549, 0.3921, 0.3765
CMYK	0.13, 0.03, 0.00, 0.38
HSL	192°, 9%, 58%
HSV	192°, 13%, 62%
XYZ	28.6268, 31.4349, 37.3596
YIQ	150.6720, -10.8200, -2.1480

# Conversions

## Conversions Part 2

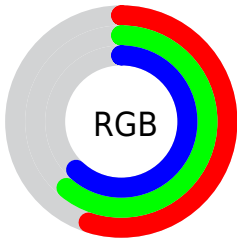
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 148, 159
Decimal	9149343
CIELab	62.87, -4.81, -4.03
CIElCh	63, 6.276, 219.924
Yxy	31.4349, 0.2938, 0.3227
Android (android.graphics.Color)	4287339423 (0xFF8B9B9F)
YUV	150.6720, 4.1057, -10.2363
Hunter-Lab	56.0668, -6.9778, -0.2605

# Details

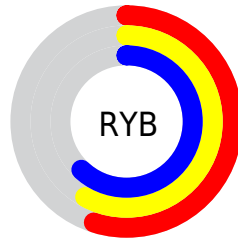
The XYZ color **28.6268, 31.4349, 37.3596** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.7808, 28.8796, 28.4840**, and the grayscale version is **29.2624, 30.7863, 33.5263**.

A 20% lighter version of the original color is **56.9304, 61.7934, 72.5451**, and **11.7769, 13.1072, 16.0966** is the 20% darker color. If you saturate the color by 10%, you get **25.6409, 29.1216, 37.0710**, and if you desaturate by 10%, it is **32.0146, 33.9778, 37.6724**.

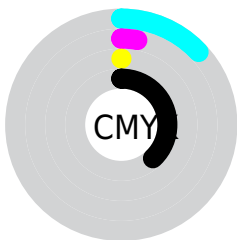
# Distribution



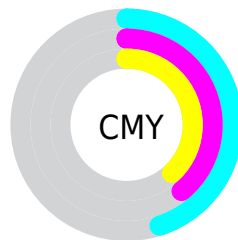
- Red (55%)
- Green (61%)
- Blue (62%)



- Red (55%)
- Yellow (58%)
- Blue (62%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (45%)
- Magenta (39%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6268, 31.4349, 37.3596 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 28.6268, 31.4349, 37.3596 by changing the saturation by 10% instead.



■ 28.6268, 31.4349,  
37.3596

■ 28.6268, 31.4349,  
37.3596

287.4761,  
308.5369, 350.0802

■ 18.9415, 20.9302,  
25.1881

■ 56.8853, 61.9241,  
72.3180

■ 11.7318, 13.0730,  
15.9969

■ 76.1892, 82.6775,  
95.9420

■ 6.6322, 7.4788,  
9.3677

■ 99.4301, 107.6159,  
124.2205

■ 3.2774, 3.7633,  
4.8817

126.9733,  
137.1237, 157.5721

■ 1.3021, 1.5421,  
2.1205

159.1841,  
171.5853, 196.4153

■ 0.1848, 0.3181,  
0.6279

196.4280,

■ 0.0000, 0.0000,

211.3851, 241.1687

0.0000

239.0702,  
256.9075, 292.2509

■ 28.6268, 31.4349,  
37.3596

■ 28.6268, 31.4349,  
37.3596

■ 25.6409, 29.1216,  
37.0710

■ 32.0146, 33.9778,  
37.6724

■ 23.0375, 27.0251,  
36.8035

■ 35.8173, 36.7545,  
38.0079

■ 20.7995, 25.1374,  
36.5571

■ 40.0505, 39.7742,  
38.3676

■ 18.9077, 23.4483,  
36.3308

■ 44.7285, 43.0442,  
38.7523

■ 17.3407, 21.9466,  
36.1235

■ 49.8646, 46.5717,  
39.1624

■ 16.0749, 20.6202,  
35.9342

■ 55.4717, 50.3635,  
39.5988

■ 15.0833, 19.4547,  
35.7615

■ 61.5622, 54.4260,  
40.0619

■ 14.3338, 18.4337,  
35.6039

■ 63.9058, 56.5786,  
40.3539

■ 13.8761, 17.7392,  
35.4940

■ 64.5567, 57.8805,  
40.5709

# Harmonies

## Analogous

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



28.2774, 31.4349, 35.0505



28.6268, 31.4349, 37.3596



29.3135, 31.4349, 38.8741

# Triad

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



28.6268, 31.4349, 37.3596



31.4592, 31.4349, 35.8799



29.5937, 31.4349, 29.7681

# Complementary

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



28.6268, 31.4349, 37.3596



28.7808, 28.8796, 28.4840

# 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.



30.4496, 31.4349, 29.9663



28.6268, 31.4349, 37.3596



31.5377, 31.4349, 33.4170

# Square

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



28.6268, 31.4349, 37.3596



30.9525, 31.4349, 37.9918



31.1650, 31.4349, 31.2751



28.8285, 31.4349, 30.7200



# Rectangle

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



28.6268, 31.4349, 37.3596



29.8757, 31.4349, 39.1884



31.1650, 31.4349, 31.2751



29.8801, 31.4349, 29.7036

# Sweetspot

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



28.6277, 31.4362, 37.3603



56.3793, 60.1421, 67.3805



27.9788, 32.2588, 30.6068



12.6083, 13.4828, 15.1816



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.



28.6277, 31.4362, 37.3603



49.7516, 55.1371, 66.7638



27.0824, 28.3455, 36.8452



6.7092, 7.2841, 8.4590



10.9893, 14.0701, 28.0438



0.2228, 0.3042, 0.5102



# Inverse Universe

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



29.4478, 28.2033, 34.9037



51.5144, 48.2689, 61.4646



30.2955, 31.9090, 28.9889



6.8473, 6.7318, 8.0470



14.3451, 7.0426, 16.6001



0.2698, 0.1312, 0.3668



# Previews

## White Background



This preview shows how the XYZ color 28.6268, 31.4349, 37.3596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

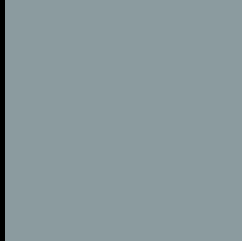
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.6268, 31.4349, 37.3596 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

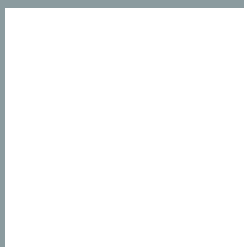
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.6268, 31.4349, 37.3596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6268, 31.4349, 37.3596.



This preview shows how white text looks on a background with the XYZ color 28.6268, 31.4349,



# 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

28.6268, 31.4349, 37.3596

### Protanopia

30.2893, 31.3398, 36.3511

### Deuteranopia

31.9710, 31.2272, 38.0606



## Tritanopia

29.2538, 31.4398, 40.6030

# Trichromacy



## Original Color

28.6268, 31.4349, 37.3596

## Protanomaly

29.6125, 31.2210, 36.8133

## Deuteranomaly

30.5779, 31.2208, 37.6723

## Tritanomaly

28.9817, 31.3310, 39.1703

# Monochromacy



## Original Color

28.6268, 31.4349, 37.3596

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

29.0936, 30.9926, 35.0206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6268, 31.4349, 37.3596 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(139, 155, 159)` looks like.

```
.text, #text, p{  
    color:rgb(139, 155, 159)  
}
```

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(139, 155, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 155, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6268, 31.4349, 37.3596 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(139, 155, 159) }
```



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

```
.border{ border-color:rgb(139, 155, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 155, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 155, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 155, 159); box-shadow:4px 4px 4px 4px rgb(139, 155, 159) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6268, 31.4349, 37.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 155, 159) }
```

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

```
.background{ background-color: rgb(139,  
155, 159) }
```

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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