

# Converting Colors

XYZ(28.6306, 31.1399, 36.8945)

Have a look what the booklet for  
XYZ(28.6306, 31.1399, 36.8945)  
contains.

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# Color

**XYZ(28.7117, 31.2425,  
36.8649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8D9A9E
RGB	141, 154, 158
RGB Percent	55%, 60%, 62%
CMY	0.4471, 0.3961, 0.3804
CMYK	0.11, 0.03, 0.00, 0.38
HSL	194°, 8%, 59%
HSV	194°, 11%, 62%
XYZ	28.7117, 31.2425, 36.8649
YIQ	150.5690, -9.0320, -1.5120

# Conversions

## Conversions Part 2

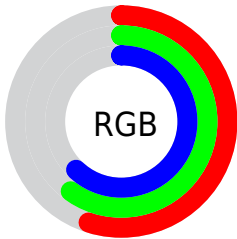
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 148, 158
Decimal	9280158
CIELab	62.71, -3.79, -3.69
CIELCh	63, 5.284, 224.218
Yxy	31.2425, 0.2965, 0.3227
Android (android.graphics.Color)	4287470238 (0xFF8D9A9E)
YUV	150.5690, 3.6635, -8.3920
Hunter-Lab	55.8950, -6.1258, 0.0225

# Details

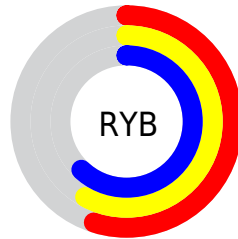
The XYZ color **28.7117, 31.2425, 36.8649** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.0340, 29.4431, 29.3529**, and the grayscale version is **29.2197, 30.7414, 33.4774**.

A 20% lighter version of the original color is **57.0718, 61.5179, 71.8169**, and **11.8185, 12.9862, 15.7936** is the 20% darker color. If you saturate the color by 10%, you get **25.6108, 28.7484, 36.5474**, and if you desaturate by 10%, it is **32.2167, 33.9748, 37.2081**.

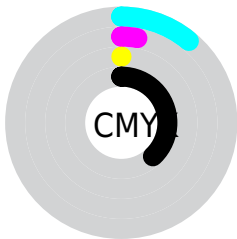
# Distribution



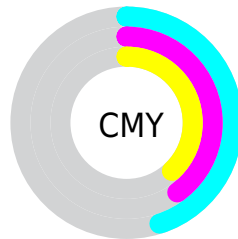
- Red (55%)
- Green (60%)
- Blue (62%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (45%)
- Magenta (40%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7117, 31.2425, 36.8649 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 28.7117, 31.2425, 36.8649 by changing the saturation by 10% instead.



■ 28.7117, 31.2425,  
36.8649

■ 28.7117, 31.2425,  
36.8649

287.8710,  
307.6540, 347.8763

■ 19.0060, 20.7836,  
24.8079

■ 57.0195, 61.6217,  
71.5490

■ 11.7787, 12.9659,  
15.7163

■ 76.3522, 82.3107,  
95.0131

■ 6.6643, 7.4051,  
9.1715

■ 99.6248, 107.1785,  
123.1168

■ 3.2975, 3.7167,  
4.7548

127.2024,  
136.6096, 156.2785

■ 1.3130, 1.5164,  
2.0479

159.4505,  
170.9883, 194.9167

■ 0.1929, 0.3002,  
0.5845

196.7344,

■ 0.0000, 0.0000,

210.6990, 239.4501

0.0000

239.4195,  
256.1261, 290.2971

■ 28.7117, 31.2425,  
36.8649

■ 28.7117, 31.2425,  
36.8649

■ 25.6108, 28.7484,  
36.5474

■ 32.2167, 33.9748,  
37.2081

■ 22.8951, 26.4798,  
36.2527

■ 36.1384, 36.9496,  
37.5755

■ 20.5478, 24.4289,  
35.9805

■ 40.4923, 40.1759,  
37.9688

■ 18.5502, 22.5857,  
35.7300

■ 45.2922, 43.6610,  
38.3885

■ 16.8816, 20.9393,  
35.5002

■ 50.5512, 47.4120,  
38.8353

■ 15.5192, 19.4776,  
35.2899

■ 56.2821, 51.4356,  
39.3099

■ 14.4370, 18.1870,  
35.0978

■ 62.4969, 55.7383,  
39.8129

■ 13.6045, 17.0515,  
34.9225

■ 64.4961, 57.8976,  
40.1243

■ 12.9899, 16.1051,  
34.7722

■ 65.2768, 59.4589,  
40.3845

# Harmonies

## Analogous

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



28.3703, 31.2425, 35.0031



28.7117, 31.2425, 36.8649



29.3193, 31.2425, 37.9867

# Triad

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



28.7117, 31.2425, 36.8649



31.0504, 31.2425, 35.1100



29.3556, 31.2425, 30.3093

# Complementary

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



28.7117, 31.2425, 36.8649



29.0340, 29.4431, 29.3529

# 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.



30.0740, 31.2425, 30.3354



28.7117, 31.2425, 36.8649



31.0605, 31.2425, 33.0511

# Square

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



28.7117, 31.2425, 36.8649



30.6732, 31.2425, 36.9459



30.7006, 31.2425, 31.3211



28.7379, 31.2425, 31.2486



# Rectangle

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



28.7117, 31.2425, 36.8649



29.7972, 31.2425, 38.1366



30.7006, 31.2425, 31.3211



29.5931, 31.2425, 30.2067

# Sweetspot

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



28.7126, 31.2438, 36.8656



56.9750, 60.5181, 67.4217



28.3203, 32.1603, 31.4902



12.7298, 13.5546, 15.1890



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.



28.7126, 31.2438, 36.8656



50.6686, 55.5677, 66.7986



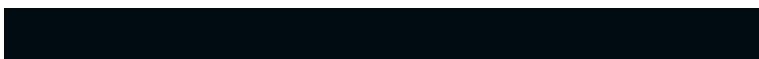
27.3638, 28.5462, 36.4160



6.6895, 7.2448, 8.4525



10.4345, 12.9606, 27.8589



0.2163, 0.2911, 0.5080



# Inverse Universe

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



29.4589, 28.6527, 34.5511



52.3199, 49.9027, 61.6624



30.3766, 32.1283, 29.8004



6.8374, 6.7279, 7.9948



14.0651, 6.9306, 15.1255

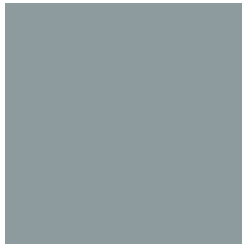


0.2665, 0.1299, 0.3494



# Previews

## White Background



This preview shows how the XYZ color 28.7117, 31.2425, 36.8649 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 28.7117, 31.2425, 36.8649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

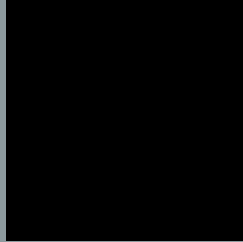
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

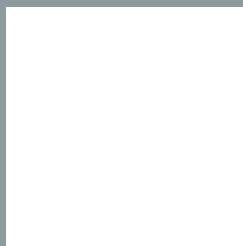
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 28.7117, 31.2425, 36.8649**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7117, 31.2425, 36.8649.



This preview shows how white text looks on a background with the XYZ color 28.7117, 31.2425,



# 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

28.7117, 31.2425, 36.8649

### Protanopia

30.2042, 31.3058, 35.9032

### Deuteranopia

31.7960, 31.1572, 37.1390



## Tritanopia

29.3381, 31.2499, 40.0829

# Trichromacy



## Original Color

28.7117, 31.2425, 36.8649

## Protanomaly

29.7085, 31.2804, 36.3702

## Deuteranomaly

30.6819, 31.2845, 37.2223

## Tritanomaly

29.0681, 31.1419, 38.6613

# Monochromacy



## Original Color

28.7117, 31.2425, 36.8649

## 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 28.7117, 31.2425, 36.8649 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(141, 154, 158)` looks like.

```
.text, #text, p{  
    color:rgb(141, 154, 158)  
}
```

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(141, 154, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 154, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7117, 31.2425, 36.8649 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(141, 154, 158) }
```



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

```
.border{ border-color:rgb(141, 154, 158) }
```

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

Here you see how a box with a 4 pixel rgb(141, 154, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 154, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 154, 158);  
box-shadow:4px 4px 4px 4px rgb(141, 154,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7117, 31.2425, 36.8649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 154, 158) }
```

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

```
.background{ background-color: rgb(141,  
154, 158) }
```

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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