

Converting Colors

XYZ(28.3543, 28.8882, 33.2101)

Have a look what the booklet for
XYZ(28.3543, 28.8882, 33.2101)
contains.

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Color

**XYZ(28.3217, 28.7602,
33.3367)**

Conversions

Conversions Part 1

Format	Color
Hex	979097
RGB	151, 144, 151
RGB Percent	59%, 56%, 59%
CMY	0.4078, 0.4353, 0.4078
CMYK	0.00, 0.05, 0.00, 0.41
HSL	300°, 3%, 58%
HSV	300°, 5%, 59%
XYZ	28.3217, 28.7602, 33.3367
YIQ	146.8910, 1.9250, 3.6610

Conversions

Conversions Part 2

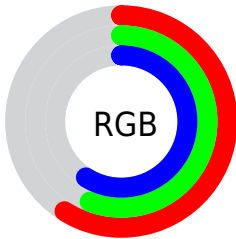
Format	Color
R_{YB}	151, 144, 151
Decimal	9932951
CIE _{Lab}	60.57, 3.92, -2.78
CIE _{LCh}	61, 4.808, 324.646
Yxy	28.7602, 0.3132, 0.3181
Android (android.graphics.Color)	4288123031 (0xFF979097)
YUV	146.8910, 2.0257, 3.6036
Hunter-Lab	53.6285, 0.4175, 0.6840

Details

The XYZ color **28.3217, 28.7602, 33.3367** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.6034, 30.0770, 30.7377**, and the grayscale version is **27.6802, 29.1217, 31.7135**.

A 20% lighter version of the original color is **56.3904, 57.7751, 65.9372**, and **11.5585, 11.6348, 13.6931** is the 20% darker color. If you saturate the color by 10%, you get **26.1862, 24.4889, 32.6250**, and if you desaturate by 10%, it is **30.7647, 33.6458, 34.1516**.

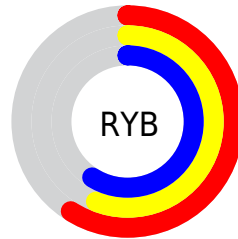
Distribution



Red (59%)

Green (56%)

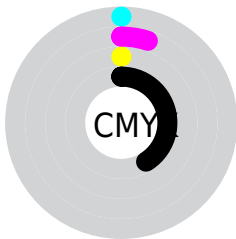
Blue (59%)



Red (59%)

Yellow (56%)

Blue (59%)

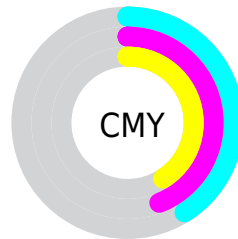


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (41%)



Cyan (41%)

Magenta (44%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3217, 28.7602, 33.3367 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 28.3217, 28.7602, 33.3367 by changing the saturation by 10% instead.

■ 28.3217, 28.7602,
33.3367

■ 28.3217, 28.7602,
33.3367

286.0532,
296.0818, 331.8426

■ 18.7100, 18.8995,
22.1113

■ 56.4027, 57.6959,
66.0229

■ 11.5637, 11.5977,
13.7396

■ 75.6027, 77.5396,
88.3208

■ 6.5174, 6.4704,
7.8031

98.7295, 101.4798,
115.1465

■ 3.2058, 3.1331,
3.8832

126.1485,
129.9009, 146.9187

■ 1.2635, 1.2016,
1.5615

158.2250,
163.1873, 184.0559

■ 0.1556, 0.0630,
0.2631

195.3244,

■ 0.0000, 0.0000,

201.7233, 226.9766

0.0000

237.8120,
245.8933, 276.0993

■ 28.3217, 28.7602,
33.3367

■ 28.3217, 28.7602,
33.3367

■ 26.1862, 24.4889,
32.6250

■ 30.7647, 33.6458,
34.1516

■ 24.3438, 20.8041,
32.0106

■ 33.5243, 39.1648,
35.0717

■ 22.7824, 17.6813,
31.4900

■ 36.6119, 45.3400,
36.1011

■ 21.4881, 15.0930,
31.0583

■ 40.0379, 52.1920,
37.2433

■ 20.4462, 13.0091,
30.7108

■ 43.8122, 59.7405,
38.5016

■ 19.6400, 11.3968,
30.4418

■ 47.9442, 68.0043,
39.8792

■ 19.0512, 10.2194,
30.2454

■ 52.4429, 77.0016,
41.3790

■ 18.6588, 9.4346,
30.1143

■ 54.1091, 80.3340,
41.9346

■ 18.4363, 8.9896,
30.0399

■ 54.1091, 80.3340,
41.9348

Harmonies

Analogous

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



27.8369, 28.7602, 34.5288



28.3217, 28.7602, 33.3367



28.5425, 28.7602, 31.6353

Triad

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



28.3217, 28.7602, 33.3367



27.4473, 28.7602, 28.0305



26.2642, 28.7602, 32.7636

Complementary

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



28.3217, 28.7602, 33.3367



27.6034, 30.0770, 30.7377

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.



26.1634, 28.7602, 30.9968



28.3217, 28.7602, 33.3367



26.8405, 28.7602, 28.3070

Square

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



28.3217, 28.7602, 33.3367



28.0328, 28.7602, 28.6065



26.3729, 28.7602, 29.3767



26.6503, 28.7602, 34.1892

Rectangle

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



28.3217, 28.7602, 33.3367



28.5079, 28.7602, 30.4578



26.3729, 28.7602, 29.3767



26.1961, 28.7602, 32.1881

Sweetspot

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



28.3225, 28.7614, 33.3373



52.2377, 54.5401, 60.2077



27.0621, 28.1116, 33.2784



11.8790, 12.4084, 13.6865



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.3225, 28.7614, 33.3373



50.1187, 50.3021, 59.5011



28.0425, 28.6494, 31.8628



6.6048, 6.6108, 7.8568



15.6091, 7.4979, 25.5303



0.2334, 0.1121, 0.3817

Inverse Universe

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



28.3225, 28.7614, 33.3373



50.1187, 50.3021, 59.5011



27.8750, 30.1856, 32.1682



6.6048, 6.6108, 7.8568



15.6091, 7.4979, 25.5303



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 28.3217, 28.7602, 33.3367 looks on a white background.

Color Contrast Check

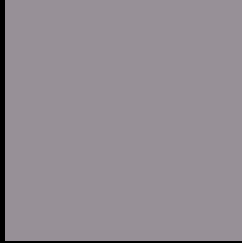
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3217, 28.7602, 33.3367 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

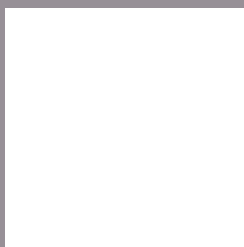
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3217, 28.7602, 33.3367

Background



This preview shows how black text looks on a background with the XYZ color 28.3217, 28.7602, 33.3367.



This preview shows how white text looks on a background with the XYZ color 28.3217, 28.7602,

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

28.3217, 28.7602, 33.3367

Protanopia

27.8255, 28.7208, 33.7829

Deuteranopia

29.3595, 28.8495, 33.2992



Tritanopia

28.6877, 28.6869, 35.0355

Trichromacy



Original Color

28.3217, 28.7602, 33.3367

Protanomaly

28.0056, 28.8137, 33.7913

Deuteranomaly

28.9259, 28.8478, 33.3218

Tritanomaly

28.6041, 28.6534, 34.5949

Monochromacy



Original Color

28.3217, 28.7602, 33.3367

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.8369, 28.9918, 32.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3217, 28.7602, 33.3367 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(151, 144, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 144, 151)  
}
```

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(151, 144, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 144, 151) }
```

Border

The CSS property to change the border of an element to XYZ 28.3217, 28.7602, 33.3367 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(151, 144, 151) }
```


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

```
.border{ border-color:rgb(151, 144, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 144, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 144, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 144, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 144,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3217, 28.7602, 33.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 144, 151) }
```

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

```
.background{ background-color: rgb(151,  
144, 151) }
```

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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