

Converting Colors

XYZ(28.7720, 29.8223, 34.0834)

Have a look what the booklet for
XYZ(28.7720, 29.8223, 34.0834)
contains.

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Color

**XYZ(28.8351, 29.9308,
33.9632)**

Conversions

Conversions Part 1

Format	Color
Hex	969498
RGB	150, 148, 152
RGB Percent	59%, 58%, 60%
CMY	0.4118, 0.4196, 0.4039
CMYK	0.01, 0.03, 0.00, 0.40
HSL	270°, 2%, 59%
HSV	270°, 3%, 60%
XYZ	28.8351, 29.9308, 33.9632
YIQ	149.0540, -0.0920, 1.6680

Conversions

Conversions Part 2

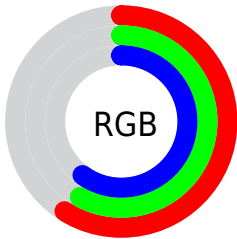
Format	Color
R _Y B	150, 148, 152
Decimal	9868440
CIE Lab	61.59, 1.51, -1.85
CIE LCh	62, 2.390, 309.143
Yxy	29.9308, 0.3110, 0.3228
Android (android.graphics.Color)	4288058520 (0xFF969498)
YUV	149.0540, 1.4524, 0.8296
Hunter-Lab	54.7090, -1.6601, 1.4893

Details

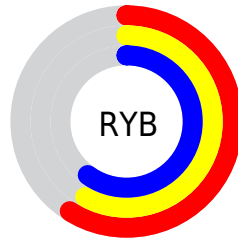
The XYZ color **28.8351, 29.9308, 33.9632** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1522, 31.0794, 32.4808**, and the grayscale version is **28.5846, 30.0732, 32.7497**.

A 20% lighter version of the original color is **57.1629, 59.5347, 66.8710**, and **11.7692, 12.1416, 14.0352** is the 20% darker color. If you saturate the color by 10%, you get **25.2520, 24.7744, 33.1572**, and if you desaturate by 10%, it is **32.8239, 35.7628, 34.8791**.

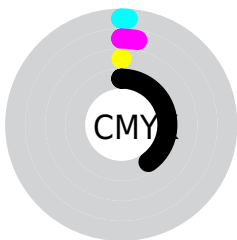
Distribution



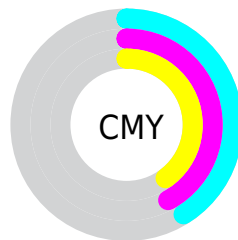
- Red (59%)
- Green (58%)
- Blue (60%)



- Red (59%)
- Yellow (58%)
- Blue (60%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (42%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8351, 29.9308, 33.9632 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 28.8351, 29.9308, 33.9632 by changing the saturation by 10% instead.

■ 28.8351, 29.9308,
33.9632

■ 28.8351, 29.9308,
33.9632

288.4444,
301.5818, 334.7321

■ 19.0998, 19.7861,
22.5882

■ 57.2144, 59.5527,
67.0097

■ 11.8468, 12.2396,
14.0873

■ 76.5890, 79.7987,
89.5182

■ 6.7109, 6.9071,
8.0420

99.9075, 104.1806,
116.5751

■ 3.3267, 3.4041,
4.0337

127.5351,
133.0827, 148.5987

■ 1.3288, 1.3461,
1.6438

159.8372,
166.8895, 186.0077

■ 0.2046, 0.1765,
0.3218

197.1793,

■ 0.0000, 0.0000,

205.9853, 229.2205

0.0000

239.9265,
250.7546, 278.6558

■ 28.8351, 29.9308,
33.9632

■ 28.8351, 29.9308,
33.9632

■ 25.2520, 24.7744,
33.1572

■ 32.8239, 35.7628,
34.8791

■ 22.0581, 20.2645,
32.4551

■ 37.2288, 42.2903,
35.9069

■ 19.2396, 16.3760,
31.8530

■ 42.0632, 49.5372,
37.0509

■ 16.7810, 13.0800,
31.3464

■ 47.3390, 57.5249,
38.3146

■ 14.6653, 10.3459,
30.9302

■ 53.0677, 66.2741,
39.7014

■ 12.8743, 8.1398,
30.5988

■ 59.2604, 75.8046,
41.2146

■ 11.3877, 6.4241,
30.3460

■ 65.9276, 86.1355,
42.8573

■ 10.1826, 5.1563,
30.1648

■ 68.2422, 87.6105,
43.0200

■ 9.2321, 4.2857,
30.0468

■ 70.4701, 88.7590,
43.1242

Harmonies

Analogous

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



28.5454, 29.9308, 34.3448



28.8351, 29.9308, 33.9632



29.0221, 29.9308, 33.2154

Triad

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



28.8351, 29.9308, 33.9632



28.6660, 29.9308, 30.9843



27.8504, 29.9308, 32.8679

Complementary

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



28.8351, 29.9308, 33.9632



29.1522, 31.0794, 32.4808

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.



27.8822, 29.9308, 31.9716



28.8351, 29.9308, 33.9632



28.3515, 29.9308, 30.8952

Square

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



28.8351, 29.9308, 33.9632



28.9240, 29.9308, 31.4992



28.0650, 29.9308, 31.2535



27.9779, 29.9308, 33.7047

Rectangle

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



28.8351, 29.9308, 33.9632



29.0626, 29.9308, 32.6157



28.0650, 29.9308, 31.2535



27.8428, 29.9308, 32.5634

Sweetspot

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



28.8360, 29.9321, 33.9639



51.9825, 54.4085, 60.1958



28.7983, 30.3979, 34.0558



11.8245, 12.3803, 13.6839



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.



28.8360, 29.9321, 33.9639



50.6122, 52.4183, 59.8839



29.1946, 30.1170, 33.9806



6.6328, 6.8465, 7.9009



7.2847, 3.2065, 25.1427



0.1508, 0.0695, 0.3778

Inverse Universe

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



29.0448, 30.0585, 33.1265



51.0403, 52.6774, 58.1675



28.7994, 30.8975, 32.4643



6.7009, 6.8878, 7.6276



11.9678, 6.0413, 6.3553



0.1973, 0.0977, 0.1916

Previews

White Background



This preview shows how the XYZ color 28.8351, 29.9308, 33.9632 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 28.8351, 29.9308, 33.9632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

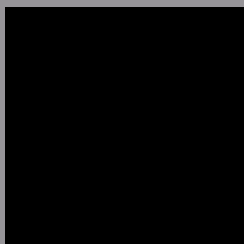
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

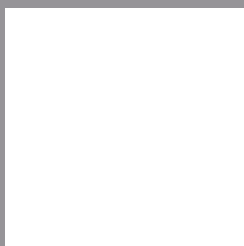
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8351, 29.9308, 33.9632

Background



This preview shows how black text looks on a background with the XYZ color 28.8351, 29.9308, 33.9632.



This preview shows how white text looks on a background with the XYZ color 28.8351, 29.9308,

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

28.8351, 29.9308, 33.9632

Protanopia

28.8351, 29.9308, 33.9632

Deuteranopia

30.4210, 29.8235, 34.2901



Tritanopia

29.4542, 29.9499, 37.0294

Trichromacy



Original Color

28.8351, 29.9308, 33.9632

Protanomaly

28.8351, 29.9308, 33.9632

Deuteranomaly

29.7798, 29.7188, 34.3037

Tritanomaly

29.1970, 29.8470, 35.6747

Monochromacy



Original Color

28.8351, 29.9308, 33.9632

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6469, 30.0865, 33.1516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8351, 29.9308, 33.9632 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, 148, 152)` looks like.

```
.text, #text, p{  
    color:rgb(150, 148, 152)  
}
```

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, 148, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 148, 152) }
```

Border

The CSS property to change the border of an element to XYZ 28.8351, 29.9308, 33.9632 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, 148, 152) }
```


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

```
.border{ border-color:rgb(150, 148, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 148, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 148, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 148, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 148,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8351, 29.9308, 33.9632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 148, 152) }
```

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

```
.background{ background-color: rgb(150,  
148, 152) }
```

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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