

Converting Colors

XYZ(33.4541, 29.3773, 57.8850)

Have a look what the booklet for
XYZ(33.4541, 29.3773, 57.8850)
contains.

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Color

**XYZ(33.3550, 29.2839,
57.9272)**

Conversions

Conversions Part 1

Format	Color
Hex	9E89C7
RGB	158, 137, 199
RGB Percent	62%, 54%, 78%
CMY	0.3804, 0.4627, 0.2196
CMYK	0.21, 0.31, 0.00, 0.22
HSL	260°, 36%, 66%
HSV	260°, 31%, 78%
XYZ	33.3550, 29.2839, 57.9272
YIQ	150.3470, -7.3860, 23.7340

Conversions

Conversions Part 2

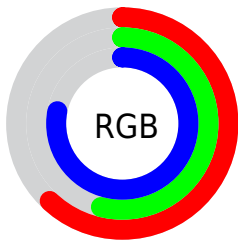
Format	Color
R_{YB}	158, 137, 199
Decimal	10389959
CIE _{Lab}	61.03, 20.65, -29.25
CIE _{LCh}	61, 35.798, 305.220
Yxy	29.2839, 0.2767, 0.2429
Android (android.graphics.Color)	4288580039 (0xFF9E89C7)
YUV	150.3470, 23.9859, 6.7117
Hunter-Lab	54.1146, 15.3228, -25.5870

Details

The XYZ color **33.3550, 29.2839, 57.9272** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.2997, 52.1186, 31.4458**, and the grayscale version is **29.0411, 30.5535, 33.2727**.

A 20% lighter version of the original color is **63.9040, 58.1930, 102.4720**, and **14.3447, 11.8640, 28.3220** is the 20% darker color. If you saturate the color by 10%, you get **28.3315, 22.8756, 56.9555**, and if you desaturate by 10%, it is **39.1794, 36.8809, 59.0871**.

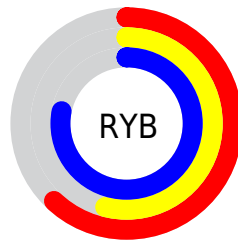
Distribution



Red (62%)

Green (54%)

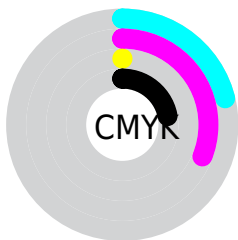
Blue (78%)



Red (62%)

Yellow (54%)

Blue (78%)

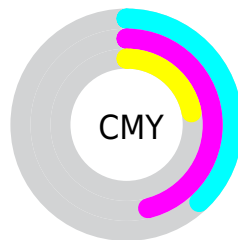


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (38%)


Magenta (46%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3550, 29.2839, 57.9272 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 33.3550, 29.2839, 57.9272 by changing the saturation by 10% instead.


 33.3550, 29.2839,
57.9272


 33.3550, 29.2839,
57.9272

308.8831,
298.5521, 434.5053


 22.5591, 19.2957,
41.3358


 64.2804, 58.5278,
103.3306

 14.3872, 11.8841,
28.2599


 85.1405, 78.5524,
132.9796

 8.4739, 6.6648,
18.2809


 110.0861,
102.6911, 167.8183

 4.4540, 3.2534,
10.9803

139.4825,
131.3285, 208.2652

 1.9621, 1.2654,
5.9396

173.6950,
164.8489, 254.7388

 0.6125, 0.1142,
2.7402

213.0891,

 0.0000, 0.0000,

203.6367, 307.6576

0.9636

258.0300,
248.0763, 367.4403

■ 0.0000, 0.0000,
0.0000

■ 33.3550, 29.2839,
57.9272

■ 33.3550, 29.2839,
57.9272

■ 28.3315, 22.8756,
56.9555

■ 39.1794, 36.8809,
59.0871

■ 24.0685, 17.5905,
56.1601

■ 45.8365, 45.7203,
60.4424

■ 20.5264, 13.3621,
55.5306

■ 53.3601, 55.8569,
62.0024


■ 17.6605, 10.1151,
55.0549


■ 61.7810, 67.3410,
63.7752


■ 15.4202, 7.7640,
54.7192


■ 71.1284, 80.2203,
65.7685

 13.7469, 6.2075,
54.5070

 80.9809, 93.6413,
67.8398

 12.6514, 5.3312,
54.3955

 85.5365, 95.9898,
68.0530

 87.3089, 96.9036,
68.1359

Harmonies

Analogous

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



28.6606, 29.2839, 65.0701



33.3550, 29.2839, 57.9272



36.8335, 29.2839, 43.9587

Triad

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



33.3550, 29.2839, 57.9272



31.7799, 29.2839, 13.7375



19.7962, 29.2839, 34.2889

Complementary

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



33.3550, 29.2839, 57.9272



43.2997, 52.1186, 31.4458

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.



20.4337, 29.2839, 22.2534



33.3550, 29.2839, 57.9272



27.0224, 29.2839, 12.4844

Square

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



33.3550, 29.2839, 57.9272



35.8550, 29.2839, 19.2073



22.9576, 29.2839, 15.1195



21.1075, 29.2839, 49.1859

Rectangle

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



33.3550, 29.2839, 57.9272



37.8033, 29.2839, 34.0824



22.9576, 29.2839, 15.1195



19.7914, 29.2839, 29.7845

Sweetspot

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



33.3560, 29.2851, 57.9279



82.7959, 83.4557, 106.3525



36.6130, 41.4164, 60.0978



17.3236, 17.3293, 22.6818



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.3560, 29.2851, 57.9279



52.6261, 43.8735, 100.3025



40.1590, 32.7921, 58.2462



10.3897, 10.4591, 13.3887



8.2196, 3.4716, 34.9812



0.4668, 0.2044, 1.6600

Inverse Universe

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



40.5356, 33.2488, 46.4016



67.2489, 51.9576, 76.3268



37.0322, 48.8876, 31.1525



10.9245, 10.7532, 12.5858



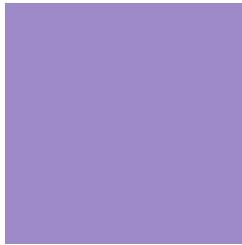
17.8479, 8.8887, 14.9408



0.8779, 0.4340, 0.8804

Previews

White Background



This preview shows how the XYZ color 33.3550, 29.2839, 57.9272 looks on a white background.

Color Contrast Check

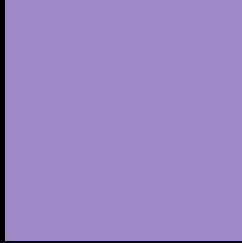
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3550, 29.2839, 57.9272 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 33.3550, 29.2839, 57.9272

Background



This preview shows how black text looks on a background with the XYZ color 33.3550, 29.2839, 57.9272.



This preview shows how white text looks on a background with the XYZ color 33.3550, 29.2839,

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

33.3550, 29.2839, 57.9272

Protanopia

30.1981, 29.3257, 61.8264

Deuteranopia

30.0350, 29.3503, 56.9055



Tritanopia

28.9737, 29.2644, 36.0198

Trichromacy



Original Color

33.3550, 29.2839, 57.9272

Protanomaly

31.2677, 29.2332, 60.4945

Deuteranomaly

31.1937, 29.2629, 57.4303

Tritanomaly

30.4458, 29.1946, 43.0602

Monochromacy



Original Color

33.3550, 29.2839, 57.9272

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3302, 29.8503, 41.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3550, 29.2839, 57.9272 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(158, 137, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 137, 199)  
}
```

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(158, 137, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 137, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.3550, 29.2839, 57.9272 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(158, 137, 199) }
```


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

```
.border{ border-color:rgb(158, 137, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 137, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 137, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 137, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 137,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3550, 29.2839, 57.9272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 137, 199) }
```

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

```
.background{ background-color: rgb(158,  
137, 199) }
```

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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