

Converting Colors

XYZ(29.8174, 31.8682, 28.8589)

Have a look what the booklet for
XYZ(29.8174, 31.8682, 28.8589)
contains.

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Color

**XYZ(29.9261, 32.0432,
29.0338)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A8B
RGB	156, 154, 139
RGB Percent	61%, 60%, 55%
CMY	0.3882, 0.3961, 0.4549
CMYK	0.00, 0.01, 0.11, 0.39
HSL	53°, 8%, 58%
HSV	53°, 11%, 61%
XYZ	29.9261, 32.0432, 29.0338
YIQ	152.8880, 6.0070, -4.2410

Conversions

Conversions Part 2

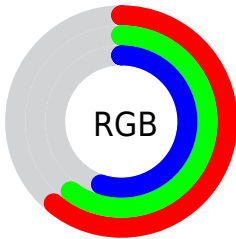
Format	Color
RYB	141, 156, 139
Decimal	10263179
CIELab	63.38, -2.00, 8.13
CIELCh	63, 8.372, 103.796
Yxy	32.0432, 0.3288, 0.3521
Android (android.graphics.Color)	4288453259 (0xFF9C9A8B)
YUV	152.8880, -6.8468, 2.7292
Hunter-Lab	56.6067, -4.6947, 9.2146

Details

The XYZ color **29.9261, 32.0432, 29.0338** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.1731, 26.9386, 35.2730**, and the grayscale version is **30.2573, 31.8330, 34.6662**.

A 20% lighter version of the original color is **58.9343, 62.7664, 58.8781**, and **12.4791, 13.4250, 11.3848** is the 20% darker color. If you saturate the color by 10%, you get **28.5669, 31.0203, 23.3527**, and if you desaturate by 10%, it is **31.4544, 33.1432, 35.5745**.

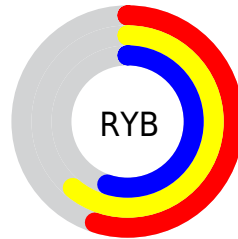
Distribution



Red (61%)

Green (60%)

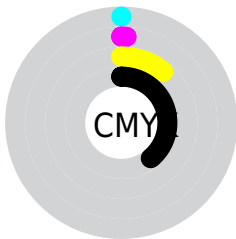
Blue (55%)



Red (55%)

Yellow (61%)

Blue (55%)

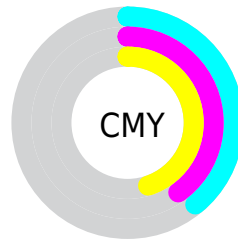


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (39%)



Cyan (39%)

Magenta (40%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9261, 32.0432, 29.0338 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 29.9261, 32.0432, 29.0338 by changing the saturation by 10% instead.

■ 29.9261, 32.0432,
29.0338

■ 29.9261, 32.0432,
29.0338

293.4758,
311.3160, 311.4403

■ 19.9303, 21.3945,
18.8606

■ 58.9327, 62.8788,
59.1736

■ 12.4524, 13.4127,
11.3938

■ 78.6742, 83.8345,
79.9773

■ 7.1269, 7.7133,
6.2149

■ 102.3951,
108.9946, 105.1615

■ 3.5886, 3.9121,
2.9053

130.4605,
138.7436, 135.1449

■ 1.4722, 1.6245,
1.0465

163.2360,
173.4659, 170.3459

■ 0.3068, 0.3740,
0.0000

201.0868,

■ 0.0000, 0.0000,

213.5458, 211.1832

0.0000

244.3783,
259.3677, 258.0751

■ 29.9261, 32.0432,
29.0338

■ 29.9261, 32.0432,
29.0338

■ 28.5669, 31.0203,
23.3527

■ 31.4544, 33.1432,
35.5745

■ 27.3672, 30.0676,
18.4931

■ 33.1556, 34.3187,
43.0069

■ 26.3206, 29.1834,
14.4171

■ 35.0367, 35.5737,
51.3636

■ 25.4191, 28.3645,
11.0827

■ 37.1036, 36.9104,
60.6752

■ 24.6541, 27.6075,
8.4444

■ 39.3617, 38.3311,
70.9708

■ 24.0158, 26.9084,
6.4514

■ 41.8163, 39.8380,
82.2783

■ 23.4933, 26.2628,
5.0460

■ 44.4727, 41.4332,
94.6245

■ 23.0737, 25.6656,
4.1605

■ 45.8857, 42.5386,
100.4001

■ 22.7527, 25.1524,
3.6557

■ 46.2281, 43.2234,
100.5142

Harmonies

Analogous

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



31.0842, 32.0432, 29.0955



29.9261, 32.0432, 29.0338



28.9349, 32.0432, 30.4692

Triad

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



29.9261, 32.0432, 29.0338



28.8708, 32.0432, 39.5110



32.6537, 32.0432, 36.7070

Complementary

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



29.9261, 32.0432, 29.0338



26.1731, 26.9386, 35.2730

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.



32.0297, 32.0432, 39.7181



29.9261, 32.0432, 29.0338



29.8365, 32.0432, 41.4060

Square

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



29.9261, 32.0432, 29.0338



28.3362, 32.0432, 36.4387



30.9923, 32.0432, 41.4841



32.6792, 32.0432, 33.3850

Rectangle

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



29.9261, 32.0432, 29.0338



28.4940, 32.0432, 32.1381



30.9923, 32.0432, 41.4841



32.5063, 32.0432, 37.7938

Sweetspot

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



29.9270, 32.0446, 29.0345



56.5034, 59.7538, 61.9091



27.7709, 27.4647, 29.1414



12.3847, 13.1139, 13.4140



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.9270, 32.0446, 29.0345



53.7454, 57.7506, 50.1605



29.0838, 32.1033, 29.0903



7.1036, 7.5873, 7.0758



18.7574, 20.7504, 3.0166



0.3524, 0.4050, 0.0596

Inverse Universe

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



26.1731, 26.9386, 35.2730



45.5817, 46.6465, 63.7280



26.9520, 26.9070, 35.2258



6.3444, 6.5546, 8.3375



5.1397, 2.3710, 26.0940



0.1079, 0.0744, 0.4719

Previews

White Background



This preview shows how the XYZ color 29.9261, 32.0432, 29.0338 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 29.9261, 32.0432, 29.0338 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 29.9261, 32.0432, 29.0338

Background



This preview shows how black text looks on a background with the XYZ color 29.9261, 32.0432, 29.0338.



This preview shows how white text looks on a background with the XYZ color 29.9261, 32.0432,

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

29.9261, 32.0432, 29.0338

Protanopia

30.4759, 32.0910, 28.6327

Deuteranopia

32.5571, 31.9575, 29.2634



Tritanopia

31.8863, 32.1128, 38.7002

Trichromacy



Original Color

29.9261, 32.0432, 29.0338

Protanomaly

30.2768, 31.9884, 28.6234

Deuteranomaly

31.5763, 31.9216, 29.3082

Tritanomaly

31.1615, 32.0587, 35.1174

Monochromacy



Original Color

29.9261, 32.0432, 29.0338

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.0630, 31.7906, 32.5687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9261, 32.0432, 29.0338 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(156, 154, 139)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 139)  
}
```

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(156, 154, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.9261, 32.0432, 29.0338 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(156, 154, 139) }
```


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

```
.border{ border-color:rgb(156, 154, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 139);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9261, 32.0432, 29.0338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 139) }
```

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

```
.background{ background-color: rgb(156,  
154, 139) }
```

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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