

Converting Colors

XYZ(29.9725, 32.3047, 29.4667)

Have a look what the booklet for
XYZ(29.9725, 32.3047, 29.4667)
contains.

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Color

**XYZ(29.9725, 32.3047,
29.4667)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9B8C
RGB	155, 155, 140
RGB Percent	61%, 61%, 55%
CMY	0.3922, 0.3921, 0.4510
CMYK	0.00, 0.00, 0.10, 0.39
HSL	60°, 7%, 58%
HSV	60°, 10%, 61%
XYZ	29.9725, 32.3047, 29.4667
YIQ	153.2900, 4.8150, -4.6650

Conversions

Conversions Part 2

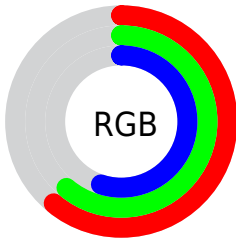
Format	Color
RYB	140, 155, 140
Decimal	10197900
CIELab	63.59, -2.75, 7.86
CIElCh	64, 8.331, 109.265
Yxy	32.3047, 0.3267, 0.3521
Android (android.graphics.Color)	4288387980 (0xFF9B9B8C)
YUV	153.2900, -6.5520, 1.4997
Hunter-Lab	56.8372, -5.3351, 9.0477

Details

The XYZ color **29.9725, 32.3047, 29.4667** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.1111, 26.6991, 34.7894**, and the grayscale version is **30.4315, 32.0163, 34.8658**.

A 20% lighter version of the original color is **58.8326, 63.0513, 60.1082**, and **12.5047, 13.5819, 11.6354** is the 20% darker color. If you saturate the color by 10%, you get **28.9088, 31.8802, 23.8651**, and if you desaturate by 10%, it is **31.1990, 32.7964, 35.9177**.

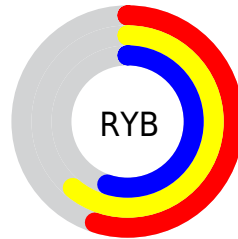
Distribution



Red (61%)

Green (61%)

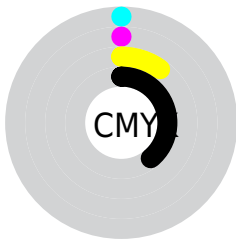
Blue (55%)



Red (55%)

Yellow (61%)

Blue (55%)

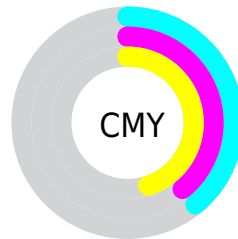


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9725, 32.3047, 29.4667 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 29.9725, 32.3047, 29.4667 by changing the saturation by 10% instead.

■ 29.9725, 32.3047,
29.4667

■ 29.9725, 32.3047,
29.4667

293.6884,
312.5049, 313.5402

■ 19.9657, 21.5943,
19.1855

■ 59.0056, 63.2885,
59.8688

■ 12.4782, 13.5591,
11.6263

■ 78.7626, 84.3306,
80.8268

■ 7.1448, 7.8147,
6.3703

■ 102.5004,
109.5856, 106.1808

■ 3.5999, 3.9766,
2.9991

130.5843,
139.4376, 136.3494

■ 1.4784, 1.6605,
1.0942

163.3797,
174.2712, 171.7511

■ 0.3111, 0.3979,
0.0000

201.2520,

■ 0.0000, 0.0000,

214.4706, 212.8044

0.0000

244.5664,
260.4204, 259.9279

■ 29.9725, 32.3047,
29.4667

■ 29.9725, 32.3047,
29.4667

■ 28.9088, 31.8802,
23.8651

■ 31.1990, 32.7964,
35.9177

■ 27.9986, 31.5160,
19.0757

■ 32.5920, 33.3537,
43.2493

■ 27.2355, 31.2107,
15.0613

■ 34.1582, 33.9803,
51.4935

■ 26.6120, 30.9612,
11.7812

■ 35.9035, 34.6785,
60.6802

■ 26.1194, 30.7641,
9.1910

■ 37.8332, 35.4504,
70.8380

■ 25.7485, 30.6157,
7.2415

■ 39.9524, 36.2982,
81.9941

■ 25.4886, 30.5116,
5.8770

■ 42.2662, 37.2238,
94.1748

■ 25.3275, 30.4471,
5.0321

■ 43.2953, 37.6356,
99.5902

■ 25.2360, 30.4104,
4.5540

■ 43.2961, 37.6359,
99.5903

Harmonies

Analogous

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



31.1232, 32.3047, 29.2481



29.9725, 32.3047, 29.4667



29.0407, 32.3047, 31.1572

Triad

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



29.9725, 32.3047, 29.4667



29.2679, 32.3047, 40.2554



32.9553, 32.3047, 36.3811

Complementary

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



29.9725, 32.3047, 29.4667



26.1111, 26.6991, 34.7894

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.



32.4310, 32.3047, 39.5227



29.9725, 32.3047, 29.4667



30.2899, 32.3047, 41.8515

Square

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



29.9725, 32.3047, 29.4667



28.6410, 32.3047, 37.3307



31.4486, 32.3047, 41.5751



32.8651, 32.3047, 33.1027

Rectangle

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



29.9725, 32.3047, 29.4667



28.6598, 32.3047, 32.9546



31.4486, 32.3047, 41.5751



32.8445, 32.3047, 37.4916

Sweetspot

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



29.9734, 32.3061, 29.4674



55.0962, 58.4217, 60.2437



27.6303, 27.6190, 28.6862



12.4316, 13.2078, 13.4296



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.



29.9734, 32.3061, 29.4674



53.1621, 57.6479, 50.0646



28.5787, 31.5871, 29.4021



6.7088, 7.2228, 6.6464



20.2664, 24.4236, 3.6461



0.3030, 0.3652, 0.0545

Inverse Universe

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



26.1111, 26.6991, 34.7894



44.5681, 45.1719, 61.9064



27.4180, 27.3729, 34.8505



5.8846, 6.0264, 7.7820



4.7525, 1.9011, 25.0242



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 29.9725, 32.3047, 29.4667 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 29.9725, 32.3047, 29.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

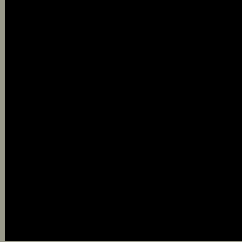
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

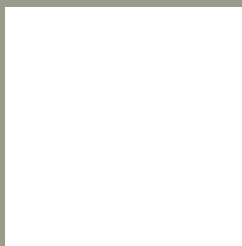
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9725, 32.3047, 29.4667

Background



This preview shows how black text looks on a background with the XYZ color 29.9725, 32.3047, 29.4667.



This preview shows how white text looks on a background with the XYZ color 29.9725, 32.3047,

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

29.9725, 32.3047, 29.4667

Protanopia

30.5486, 32.1201, 29.0158

Deuteranopia

32.7887, 32.3022, 29.7061



Tritanopia

32.0296, 32.4059, 39.6888

Trichromacy



Original Color

29.9725, 32.3047, 29.4667

Protanomaly

30.3164, 32.2444, 29.0520

Deuteranomaly

31.6002, 32.1633, 29.7419

Tritanomaly

31.2123, 32.3171, 35.6031

Monochromacy



Original Color

29.9725, 32.3047, 29.4667

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2273, 32.1193, 32.6235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9725, 32.3047, 29.4667 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(155, 155, 140)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 140)  
}
```

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(155, 155, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 140) }
```

Border

The CSS property to change the border of an element to XYZ 29.9725, 32.3047, 29.4667 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(155, 155, 140) }
```


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

```
.border{ border-color:rgb(155, 155, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 155, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 155, 140);  
box-shadow:4px 4px 4px 4px rgb(155, 155,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9725, 32.3047, 29.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 140) }
```

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

```
.background{ background-color: rgb(155,  
155, 140) }
```

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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