

Converting Colors

XYZ(28.9326, 32.3508, 30.1661)

Have a look what the booklet for
XYZ(28.9326, 32.3508, 30.1661)
contains.

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Color

**XYZ(28.9721, 32.2700,
30.2929)**

Conversions

Conversions Part 1

Format	Color
Hex	939D8E
RGB	147, 157, 142
RGB Percent	58%, 62%, 56%
CMY	0.4235, 0.3843, 0.4431
CMYK	0.06, 0.00, 0.10, 0.38
HSL	100°, 7%, 59%
HSV	100°, 10%, 62%
XYZ	28.9721, 32.2700, 30.2929
YIQ	152.3000, -1.1450, -6.7850

Conversions

Conversions Part 2

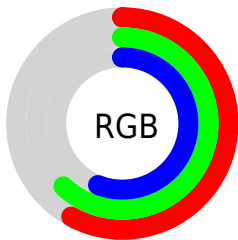
Format	Color
RYB	142, 157, 152
Decimal	9674126
CIELab	63.57, -6.46, 6.62
CIELCh	64, 9.245, 134.288
Yxy	32.2700, 0.3165, 0.3525
Android (android.graphics.Color)	4287864206 (0xFF939D8E)
YUV	152.3000, -5.0779, -4.6481
Hunter-Lab	56.8067, -8.3745, 8.1475

Details

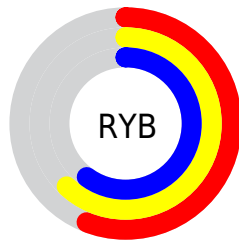
The XYZ color **28.9721, 32.2700, 30.2929** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.7089, 28.4566, 35.8795**, and the grayscale version is **29.9970, 31.5592, 34.3679**.

A 20% lighter version of the original color is **57.5947, 63.4900, 61.4438**, and **11.9097, 13.5676, 12.1163** is the 20% darker color. If you saturate the color by 10%, you get **26.0831, 30.9083, 24.4318**, and if you desaturate by 10%, it is **32.1998, 33.7889, 37.0380**.

Distribution



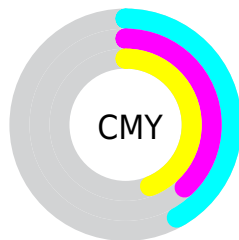
- Red (58%)
- Green (62%)
- Blue (56%)



- Red (56%)
- Yellow (62%)
- Blue (60%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9721, 32.2700, 30.2929 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 28.9721, 32.2700, 30.2929 by changing the saturation by 10% instead.

■ 28.9721, 32.2700,
30.2929

■ 28.9721, 32.2700,
30.2929

289.0799,
312.3474, 317.5171

■ 19.2039, 21.5678,
19.8071

■ 57.4306, 63.2341,
61.1915

■ 11.9226, 13.5397,
12.0722

■ 76.8516, 84.2648,
82.4414

■ 6.7628, 7.8012,
6.6697

100.2210,
109.5072, 108.1165

■ 3.3592, 3.9680,
3.1811

127.9040,
139.3456, 138.6351

■ 1.3464, 1.6557,
1.1878

160.2660,
174.1644, 174.4160

■ 0.2176, 0.3947,
0.0000

197.6725,

■ 0.0000, 0.0000,

214.3481, 215.8775

0.0000

240.4886,
260.2809, 263.4384

■ 28.9721, 32.2700,
30.2929

■ 28.9721, 32.2700,
30.2929

■ 26.0831, 30.9083,
24.4318

■ 32.1998, 33.7889,
37.0380

■ 23.5187, 29.6947,
19.4159

■ 35.7744, 35.4659,
44.6995

■ 21.2676, 28.6251,
15.2069

■ 39.7072, 37.3067,
53.3105

■ 19.3170, 27.6937,
11.7626

■ 44.0080, 39.3161,
62.9021

■ 17.6530, 26.8945,
9.0369

■ 48.6864, 41.4980,
73.5039

■ 16.2604, 26.2207,
6.9787

■ 53.7515, 43.8568,
85.1441

■ 15.1226, 25.6650,
5.5303

■ 59.2122, 46.3963,
97.8501

■ 14.2205, 25.2191,
4.6242

■ 62.9803, 48.2817,
100.6076

■ 13.5186, 24.8679,
4.1075

■ 66.4560, 50.0735,
100.7703

Harmonies

Analogous

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



30.0636, 32.2700, 28.6925



28.9721, 32.2700, 30.2929



28.3454, 32.2700, 33.2478

Triad

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



28.9721, 32.2700, 30.2929



30.0049, 32.2700, 42.4279



33.1386, 32.2700, 33.4124

Complementary

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



28.9721, 32.2700, 30.2929



28.7089, 28.4566, 35.8795

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.



33.1219, 32.2700, 37.0955



28.9721, 32.2700, 30.2929



31.2879, 32.2700, 42.4797

Square

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



28.9721, 32.2700, 30.2929



28.9302, 32.2700, 40.3338



32.4364, 32.2700, 40.4708



32.4817, 32.2700, 30.4061

Rectangle

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



28.9721, 32.2700, 30.2929



28.2641, 32.2700, 35.6704



32.4364, 32.2700, 40.4708



33.2122, 32.2700, 34.6081

Sweetspot

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



28.9730, 32.2714, 30.2936



55.5700, 59.5257, 61.9143



30.0166, 31.5789, 30.1049



12.1284, 13.0515, 13.4154



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.



28.9730, 32.2714, 30.2936



50.9868, 57.3687, 52.4039



28.2856, 31.8951, 31.2526



6.7487, 7.5031, 7.0782



10.9921, 20.2034, 3.3203



0.2389, 0.3831, 0.0614

Inverse Universe

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



28.7089, 28.4566, 35.8795



50.4379, 49.4414, 64.0115



29.4533, 28.8647, 34.8112



6.6892, 6.6438, 8.3365



9.6839, 4.4213, 26.2502



0.2161, 0.1012, 0.4714

Previews

White Background



This preview shows how the XYZ color 28.9721, 32.2700, 30.2929 looks on a white background.

Color Contrast Check

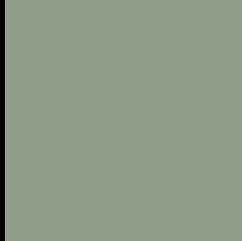
Large Text (above 18pt) WCAG AA × Fail

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 28.9721, 32.2700, 30.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

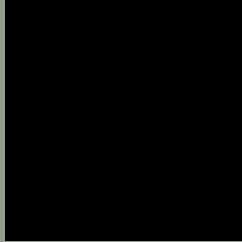
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9721, 32.2700, 30.2929

Background



This preview shows how black text looks on a background with the XYZ color 28.9721, 32.2700, 30.2929.



This preview shows how white text looks on a background with the XYZ color 28.9721, 32.2700,

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

28.9721, 32.2700, 30.2929

Protanopia

30.6221, 32.1495, 29.4025

Deuteranopia

32.6372, 31.9641, 30.8351



Tritanopia

31.2010, 32.4437, 40.6942

Trichromacy



Original Color

28.9721, 32.2700, 30.2929

Protanomaly

29.8809, 32.0029, 29.8016

Deuteranomaly

31.1288, 31.9029, 30.5038

Tritanomaly

30.3848, 32.3610, 36.5431

Monochromacy



Original Color

28.9721, 32.2700, 30.2929

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4786, 31.7334, 32.5884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9721, 32.2700, 30.2929 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(147, 157, 142)` looks like.

```
.text, #text, p{  
    color:rgb(147, 157, 142)  
}
```

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(147, 157, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 157, 142) }
```

Border

The CSS property to change the border of an element to XYZ 28.9721, 32.2700, 30.2929 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(147, 157, 142) }
```


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

```
.border{ border-color:rgb(147, 157, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 157, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 157, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 157, 142);  
box-shadow:4px 4px 4px 4px rgb(147, 157,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9721, 32.2700, 30.2929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 157, 142) }
```

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

```
.background{ background-color: rgb(147,  
157, 142) }
```

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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