

Converting Colors

XYZ(29.0157, 29.9056, 33.3121)

Have a look what the booklet for
XYZ(29.0157, 29.9056, 33.3121)
contains.

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Color

**XYZ(28.9685, 29.7772,
33.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	989397
RGB	152, 147, 151
RGB Percent	60%, 58%, 59%
CMY	0.4039, 0.4235, 0.4078
CMYK	0.00, 0.03, 0.01, 0.40
HSL	312°, 2%, 59%
HSV	312°, 3%, 60%
XYZ	28.9685, 29.7772, 33.4989
YIQ	148.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

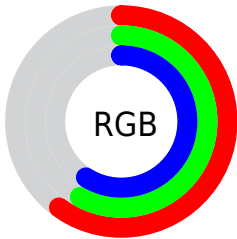
Format	Color
R_{YB}	152, 147, 151
Decimal	9999255
CIE Lab	61.46, 2.60, -1.46
CIE LCh	61, 2.982, 330.641
Yxy	29.7772, 0.3140, 0.3228
Android (android.graphics.Color)	4288189335 (0xFF989397)
YUV	148.9510, 1.0102, 2.6740
Hunter-Lab	54.5685, -0.7355, 1.8006

Details

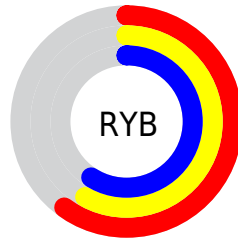
The XYZ color **28.9685, 29.7772, 33.4989** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6073, 30.7984, 32.4554**, and the grayscale version is **28.5425, 30.0290, 32.7016**.

A 20% lighter version of the original color is **57.3597, 59.3029, 66.1810**, and **11.8499, 12.0525, 13.7584** is the 20% darker color. If you saturate the color by 10%, you get **26.5158, 25.2616, 31.4787**, and if you desaturate by 10%, it is **31.7416, 34.9225, 35.6581**.

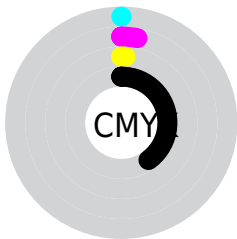
Distribution



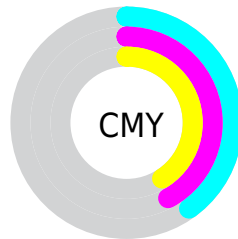
- Red (60%)
- Green (58%)
- Blue (59%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9685, 29.7772, 33.4989 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 28.9685, 29.7772, 33.4989 by changing the saturation by 10% instead.

■ 28.9685, 29.7772,
33.4989

■ 28.9685, 29.7772,
33.4989

289.0632,
300.8645, 332.5925

■ 19.2012, 19.6695,
22.2347

■ 57.4249, 59.3097,
66.2786

■ 11.9206, 12.1551,
13.8295

■ 76.8447, 79.5032,
88.6312

■ 6.7614, 6.8494,
7.8648

100.2128,
103.8276, 115.5169

■ 3.3584, 3.3681,
3.9220

127.8943,
132.6671, 147.3544

■ 1.3460, 1.3268,
1.5827

160.2548,
166.4061, 184.5622

■ 0.2172, 0.1618,
0.2784

197.6595,

■ 0.0000, 0.0000,

205.4291, 227.5588

0.0000

240.4739,
250.1205, 276.7627

■ 28.9685, 29.7772,
33.4989

■ 28.9685, 29.7772,
33.4989

■ 26.5158, 25.2616,
31.4787

■ 31.7416, 34.9225,
35.6581

■ 24.3688, 21.3477,
29.5911

■ 34.8441, 40.7168,
37.9584

■ 22.5152, 18.0107,
27.8325

■ 38.2877, 47.1830,
40.4044

■ 20.9413, 15.2229,
26.1977

■ 42.0830, 54.3421,
42.9997

■ 19.6318, 12.9541,
24.6816

■ 46.2399, 62.2139,
45.7479

■ 18.5703, 11.1714,
23.2784

■ 50.7680, 70.8175,
48.6523

■ 17.7382, 9.8380,
21.9816

■ 55.6765, 80.1714,
51.7164

■ 17.1146, 8.9118,
20.7842

■ 56.4796, 81.3037,
53.4450

■ 16.6744, 8.3428,
19.6773

■ 56.7825, 81.4249,
55.0402

Harmonies

Analogous

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



28.6906, 29.7772, 34.3272



28.9685, 29.7772, 33.4989



29.0675, 29.7772, 32.3980

Triad

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



28.9685, 29.7772, 33.4989



28.2938, 29.7772, 30.2986



27.6548, 29.7772, 33.5420

Complementary

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



28.9685, 29.7772, 33.4989



28.6073, 30.7984, 32.4554

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.



27.5507, 29.7772, 32.4466



28.9685, 29.7772, 33.4989



27.9176, 29.7772, 30.5892

Square

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



28.9685, 29.7772, 33.4989



28.6758, 29.7772, 30.5658



27.6465, 29.7772, 31.3690



27.9321, 29.7772, 34.3525

Rectangle

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



28.9685, 29.7772, 33.4989



29.0180, 29.7772, 31.6626



27.6465, 29.7772, 31.3690



27.5985, 29.7772, 33.1940

Sweetspot

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



28.9693, 29.7785, 33.4995



52.1930, 54.5222, 59.9719



28.3152, 29.4318, 33.8947



11.8695, 12.4046, 13.6361



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.



28.9693, 29.7785, 33.4995



50.7708, 51.8916, 58.8387



28.7686, 29.6982, 32.4422



6.6769, 6.7977, 7.7494



13.7925, 6.7712, 15.9640



0.2182, 0.1060, 0.3018

Inverse Universe

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



28.9693, 29.7785, 33.4995



50.7708, 51.8916, 58.8387



28.8072, 30.8783, 33.5083



6.6769, 6.7977, 7.7494



13.7925, 6.7712, 15.9640



0.2182, 0.1060, 0.3018

Previews

White Background



This preview shows how the XYZ color 28.9685, 29.7772, 33.4989 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 28.9685, 29.7772, 33.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

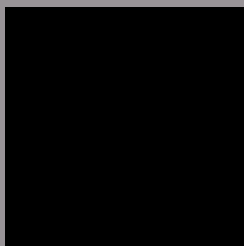
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

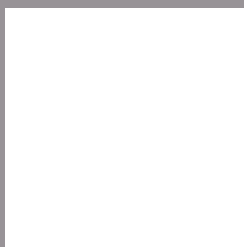
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9685, 29.7772, 33.4989

Background



This preview shows how black text looks on a background with the XYZ color 28.9685, 29.7772, 33.4989.



This preview shows how white text looks on a background with the XYZ color 28.9685, 29.7772,

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

28.9685, 29.7772, 33.4989

Protanopia

28.7535, 29.8982, 33.5336

Deuteranopia

30.3387, 29.7906, 33.8569



Tritanopia

29.5016, 29.7644, 36.0885

Trichromacy



Original Color

28.9685, 29.7772, 33.4989

Protanomaly

28.9383, 29.9935, 33.5423

Deuteranomaly

29.8934, 29.7869, 33.8797

Tritanomaly

29.3321, 29.6966, 35.1964

Monochromacy



Original Color

28.9685, 29.7772, 33.4989

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6726, 29.8658, 33.1076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9685, 29.7772, 33.4989 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(152, 147, 151)` looks like.

```
.text, #text, p{  
    color:rgb(152, 147, 151)  
}
```

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(152, 147, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 147, 151) }
```

Border

The CSS property to change the border of an element to XYZ 28.9685, 29.7772, 33.4989 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(152, 147, 151) }
```


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

```
.border{ border-color:rgb(152, 147, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 147, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 147, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 147, 151);  
box-shadow:4px 4px 4px 4px rgb(152, 147,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9685, 29.7772, 33.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 147, 151) }
```

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

```
.background{ background-color: rgb(152,  
147, 151) }
```

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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