

Converting Colors

XYZ(29.4449, 30.9772, 31.9817)

Have a look what the booklet for
XYZ(29.4449, 30.9772, 31.9817)
contains.

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Color

**XYZ(29.4699, 31.0121,
32.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	999793
RGB	153, 151, 147
RGB Percent	60%, 59%, 58%
CMY	0.4000, 0.4078, 0.4235
CMYK	0.00, 0.01, 0.04, 0.40
HSL	40°, 3%, 59%
HSV	40°, 4%, 60%
XYZ	29.4699, 31.0121, 32.0365
YIQ	151.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

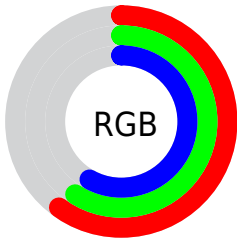
Format	Color
RYB	150, 153, 147
Decimal	10065811
CIELab	62.52, -0.02, 2.35
CIElCh	63, 2.353, 90.575
Yxy	31.0121, 0.3185, 0.3352
Android (android.graphics.Color)	4288255891 (0xFF999793)
YUV	151.1420, -2.0420, 1.6295
Hunter-Lab	55.6885, -2.9942, 4.8736

Details

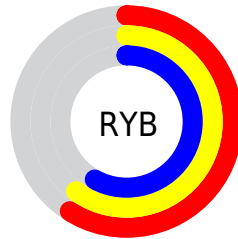
The XYZ color **29.4699, 31.0121, 32.0365** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.5298, 29.9973, 34.4236**, and the grayscale version is **29.4846, 31.0201, 33.7809**.

A 20% lighter version of the original color is **58.1061, 61.1451, 63.9980**, and **12.1943, 12.8022, 13.1376** is the 20% darker color. If you saturate the color by 10%, you get **27.5467, 28.9607, 25.8608**, and if you desaturate by 10%, it is **31.5900, 33.2009, 39.0664**.

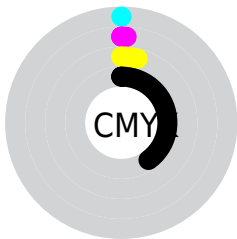
Distribution



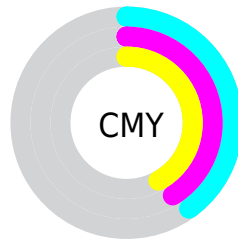
- Red (60%)
- Green (59%)
- Blue (58%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4699, 31.0121, 32.0365 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 29.4699, 31.0121, 32.0365 by changing the saturation by 10% instead.

■ 29.4699, 31.0121,
32.0365

■ 29.4699, 31.0121,
32.0365

291.3800,
306.5941, 325.7833

■ 19.5826, 20.6081,
21.1243

■ 58.2152, 61.2591,
63.9669

■ 12.1985, 12.8378,
13.0228

■ 77.8040, 81.8709,
85.8222

■ 6.9522, 7.3170,
7.3133

101.3574,
106.6540, 112.1622

■ 3.4783, 3.6611,
3.5774

129.2407,
135.9929, 143.4056

■ 1.4114, 1.4859,
1.3965

161.8192,
170.2720, 179.9709

■ 0.2644, 0.2787,
0.1390

199.4584,

■ 0.0000, 0.0000,

209.8756, 222.2766

0.0000

242.5235,
255.1882, 270.7412

■ 29.4699, 31.0121,
32.0365

■ 29.4699, 31.0121,
32.0365

■ 27.5467, 28.9607,
25.8608

■ 31.5900, 33.2009,
39.0664

■ 25.8110, 27.0392,
20.5043

■ 33.9107, 35.5264,
46.9799

■ 24.2567, 25.2455,
15.9323

■ 36.4389, 37.9928,
55.8072

■ 22.8760, 23.5757,
12.1070

■ 39.1804, 40.6032,
65.5767

■ 21.6608, 22.0259,
8.9874

■ 42.1407, 43.3606,
76.3154

■ 20.6022, 20.5916,
6.5285

■ 45.3251, 46.2675,
88.0494

■ 19.6899, 19.2682,
4.6800

■ 48.7388, 49.3268,
100.8035

■ 18.9128, 18.0501,
3.3845

■ 49.9800, 51.5784,
101.9291

■ 18.2572, 16.9313,
2.5729

■ 51.1156, 53.8496,
102.3077

Harmonies

Analogous

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



29.7792, 31.0121, 32.2562



29.4699, 31.0121, 32.0365



29.1644, 31.0121, 32.2734

Triad

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



29.4699, 31.0121, 32.0365



28.9499, 31.0121, 34.6706



30.0149, 31.0121, 34.6394

Complementary

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



29.4699, 31.0121, 32.0365



28.5298, 29.9973, 34.4236

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.



29.7899, 31.0121, 35.3058



29.4699, 31.0121, 32.0365



29.1750, 31.0121, 35.3240

Square

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



29.4699, 31.0121, 32.0365



28.8655, 31.0121, 33.7846



29.4822, 31.0121, 35.5585



30.0952, 31.0121, 33.7492

Rectangle

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



29.4699, 31.0121, 32.0365



29.0037, 31.0121, 32.6609



29.4822, 31.0121, 35.5585



29.9536, 31.0121, 34.8976

Sweetspot

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



29.4708, 31.0134, 32.0372



53.8430, 56.6526, 60.8671



28.9958, 29.8101, 32.6599



11.8942, 12.5148, 13.4571



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.



29.4708, 31.0134, 32.0372



52.3547, 55.0958, 55.9937



29.6069, 31.5648, 32.1364



6.7013, 7.0522, 7.1235



14.8221, 13.5265, 1.8297



0.2546, 0.2683, 0.0384

Inverse Universe

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



28.5298, 29.9973, 34.4236



50.1802, 52.7477, 61.5085



28.3967, 29.4637, 34.3277



6.3991, 6.7259, 7.8899



5.7558, 3.9083, 25.3587



0.1171, 0.1205, 0.3895

Previews

White Background



This preview shows how the XYZ color 29.4699, 31.0121, 32.0365 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 29.4699, 31.0121, 32.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

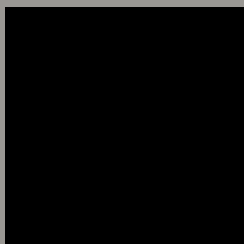
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

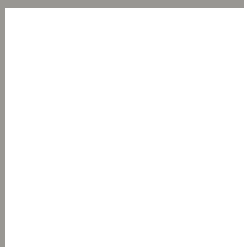
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4699, 31.0121, 32.0365

Background



This preview shows how black text looks on a background with the XYZ color 29.4699, 31.0121, 32.0365.



This preview shows how white text looks on a background with the XYZ color 29.4699, 31.0121,

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

29.4699, 31.0121, 32.0365

Protanopia

29.6904, 30.8878, 32.0009

Deuteranopia

31.5605, 30.9114, 32.3200



Tritanopia

30.6980, 31.0367, 38.0909

Trichromacy



Original Color

29.4699, 31.0121, 32.0365

Protanomaly

29.4992, 30.7893, 31.9919

Deuteranomaly

30.8355, 30.9993, 32.3752

Tritanomaly

30.2335, 31.0830, 35.8586

Monochromacy



Original Color

29.4699, 31.0121, 32.0365

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5205, 31.0106, 33.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4699, 31.0121, 32.0365 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(153, 151, 147)` looks like.

```
.text, #text, p{  
    color:rgb(153, 151, 147)  
}
```

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(153, 151, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 151, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.4699, 31.0121, 32.0365 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(153, 151, 147) }
```


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

```
.border{ border-color:rgb(153, 151, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 151, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 151, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 151, 147);  
box-shadow:4px 4px 4px 4px rgb(153, 151,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4699, 31.0121, 32.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 151, 147) }
```

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

```
.background{ background-color: rgb(153,  
151, 147) }
```

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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