

Converting Colors

XYZ(31.2193, 31.9182, 29.1687)

Have a look what the booklet for
XYZ(31.2193, 31.9182, 29.1687)
contains.

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Color

**XYZ(31.3173, 32.0260,
29.3420)**

Conversions

Conversions Part 1

Format	Color
Hex	A5978C
RGB	165, 151, 140
RGB Percent	65%, 59%, 55%
CMY	0.3529, 0.4078, 0.4510
CMYK	0.00, 0.08, 0.15, 0.35
HSL	26°, 12%, 60%
HSV	26°, 15%, 65%
XYZ	31.3173, 32.0260, 29.3420
YIQ	153.9320, 11.8750, -0.4530

Conversions

Conversions Part 2

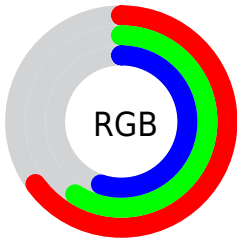
Format	Color
RYB	165, 160, 140
Decimal	10852236
CIELab	63.36, 3.26, 7.65
CIELCh	63, 8.316, 66.948
Yxy	32.0260, 0.3379, 0.3455
Android (android.graphics.Color)	4289042316 (0xFFA5978C)
YUV	153.9320, -6.8685, 9.7066
Hunter-Lab	56.5915, -0.2547, 8.8729

Details

The XYZ color **31.3173, 32.0260, 29.3420** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1623, 31.4027, 40.1219**, and the grayscale version is **30.7116, 32.3110, 35.1867**.

A 20% lighter version of the original color is **61.0841, 62.7733, 59.9359**, and **13.2127, 13.3632, 11.5558** is the 20% darker color. If you saturate the color by 10%, you get **28.7620, 28.7185, 22.9311**, and if you desaturate by 10%, it is **34.1733, 35.6424, 36.7540**.

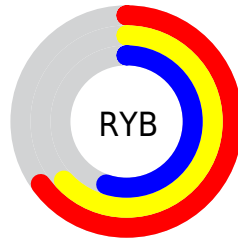
Distribution



Red (65%)

Green (59%)

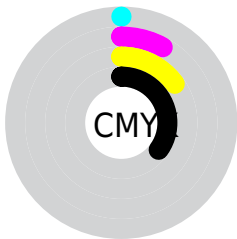
Blue (55%)



Red (65%)

Yellow (63%)

Blue (55%)

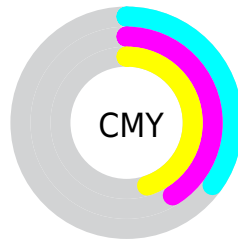


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (35%)



Cyan (35%)

Magenta (41%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3173, 32.0260, 29.3420 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 31.3173, 32.0260, 29.3420 by changing the saturation by 10% instead.

■ 31.3173, 32.0260,
29.3420

■ 31.3173, 32.0260,
29.3420

299.7983,
311.2377, 312.9365

■ 20.9936, 21.3814,
19.0919

■ 61.1117, 62.8518,
59.6687

■ 13.2318, 13.4030,
11.5592

■ 81.3132, 83.8018,
80.5823

■ 7.6664, 7.7067,
6.3254

■ 105.5379,
108.9557, 105.8875

■ 3.9323, 3.9078,
2.9720

134.1513,
138.6979, 136.0029

■ 1.6639, 1.6221,
1.0803

167.5186,
173.4128, 171.3469

■ 0.4335, 0.3725,
0.0000

206.0054,

■ 0.0000, 0.0000,

213.4848, 212.3382

0.0000

249.9768,
259.2983, 259.3952

■ 31.3173, 32.0260,
29.3420

■ 31.3173, 32.0260,
29.3420

■ 28.7620, 28.7185,
22.9311

■ 34.1733, 35.6424,
36.7540

■ 26.4942, 25.7071,
17.4758

■ 37.3376, 39.5715,
45.2060

■ 24.5031, 22.9842,
12.9300

■ 40.8207, 43.8226,
54.7371

■ 22.7765, 20.5402,
9.2429

■ 44.6318, 48.4034,
65.3839

■ 21.3009, 18.3652,
6.3589

■ 48.7797, 53.3209,
77.1812

■ 20.0617, 16.4481,
4.2153

■ 53.2729, 58.5824,
90.1624

■ 19.0422, 14.7772,
2.7404

■ 58.0386, 64.1622,
103.9333

■ 18.2219, 13.3387,
1.8440

■ 60.4675, 69.0201,
104.7430

■ 17.8749, 12.7148,
1.5121

■ 63.0316, 74.1482,
105.5977

Harmonies

Analogous

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



32.2485, 32.0260, 31.1873



31.3173, 32.0260, 29.3420



30.1720, 32.0260, 28.9330

Triad

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



31.3173, 32.0260, 29.3420



28.2889, 32.0260, 35.6455



31.7937, 32.0260, 40.2025

Complementary

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



31.3173, 32.0260, 29.3420



29.1623, 31.4027, 40.1219

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.



30.7091, 32.0260, 41.5701



31.3173, 32.0260, 29.3420



28.6999, 32.0260, 38.8336

Square

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



31.3173, 32.0260, 29.3420



28.4425, 32.0260, 32.4402



29.5788, 32.0260, 41.0540



32.5284, 32.0260, 37.4200

Rectangle

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



31.3173, 32.0260, 29.3420



29.4448, 32.0260, 29.5051



29.5788, 32.0260, 41.0540



31.4569, 32.0260, 40.8507

Sweetspot

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



31.3182, 32.0274, 29.3427



61.2335, 63.8726, 65.9078



30.7422, 29.0946, 34.6406



13.3088, 13.8659, 14.2033



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.3182, 32.0274, 29.3427



54.5759, 55.4160, 48.7098



33.4075, 36.2061, 30.0391



7.3183, 7.5750, 7.4565



13.5707, 9.7152, 1.1600



0.3319, 0.2977, 0.0400

Inverse Universe

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



29.1623, 31.4027, 40.1219



50.0059, 54.0912, 71.5574



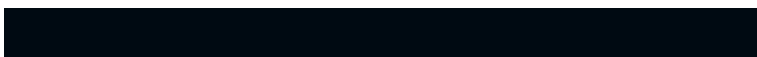
27.2307, 27.5395, 39.4781



7.0139, 7.4868, 8.9785



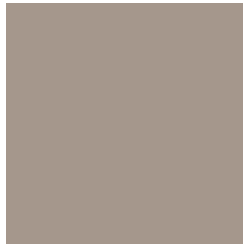
8.1085, 7.9963, 28.0459



0.2164, 0.2601, 0.6047

Previews

White Background



This preview shows how the XYZ color 31.3173, 32.0260, 29.3420 looks on a white background.

Color Contrast Check

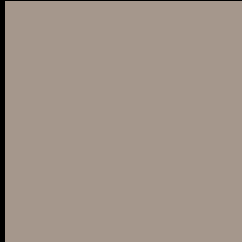
Large Text (above 18pt) WCAG AA × Fail

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 31.3173, 32.0260, 29.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

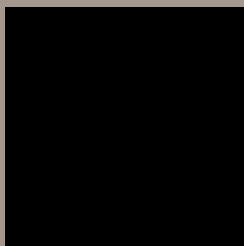
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

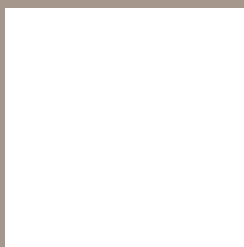
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3173, 32.0260, 29.3420

Background



This preview shows how black text looks on a background with the XYZ color 31.3173, 32.0260, 29.3420.



This preview shows how white text looks on a background with the XYZ color 31.3173, 32.0260,

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

31.3173, 32.0260, 29.3420

Protanopia

30.4970, 32.0765, 29.7833

Deuteranopia

32.6312, 31.9871, 29.6536



Tritanopia

33.0835, 32.0427, 37.6989

Trichromacy



Original Color

31.3173, 32.0260, 29.3420

Protanomaly

30.7339, 31.9566, 29.7477

Deuteranomaly

32.1327, 31.9640, 29.6754

Tritanomaly

32.4336, 32.0103, 34.6062

Monochromacy



Original Color

31.3173, 32.0260, 29.3420

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9166, 32.2215, 33.0237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3173, 32.0260, 29.3420 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(165, 151, 140)` looks like.

```
.text, #text, p{  
    color:rgb(165, 151, 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(165, 151, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 151, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.3173, 32.0260, 29.3420 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(165, 151, 140) }
```


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

```
.border{ border-color:rgb(165, 151, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 151, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 151, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 151, 140);  
box-shadow:4px 4px 4px 4px rgb(165, 151,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3173, 32.0260, 29.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 151, 140) }
```

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

```
.background{ background-color: rgb(165,  
151, 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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