

Converting Colors

XYZ(31.6834, 32.4262, 28.8583)

Have a look what the booklet for
XYZ(31.6834, 32.4262, 28.8583)
contains.

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Color

**XYZ(31.8248, 32.5360,
29.0288)**

Conversions

Conversions Part 1

Format	Color
Hex	A7988B
RGB	167, 152, 139
RGB Percent	65%, 60%, 55%
CMY	0.3451, 0.4039, 0.4549
CMYK	0.00, 0.09, 0.17, 0.35
HSL	28°, 14%, 60%
HSV	28°, 17%, 65%
XYZ	31.8248, 32.5360, 29.0288
YIQ	155.0030, 13.1130, -0.8630

Conversions

Conversions Part 2

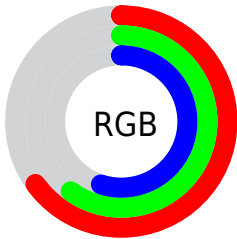
Format	Color
RYB	167, 163, 139
Decimal	10983563
CIELab	63.78, 3.31, 8.84
CIELCh	64, 9.434, 69.489
Yxy	32.5360, 0.3408, 0.3484
Android (android.graphics.Color)	4289173643 (0xFFA7988B)
YUV	155.0030, -7.8895, 10.5214
Hunter-Lab	57.0403, -0.2292, 9.7545

Details

The XYZ color **31.8248, 32.5360, 29.0288** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1780, 31.3896, 41.0806**, and the grayscale version is **31.1875, 32.8117, 35.7319**.

A 20% lighter version of the original color is **61.7099, 63.4780, 58.8692**, and **13.5271, 13.6735, 11.3775** is the 20% darker color. If you saturate the color by 10%, you get **29.2994, 29.2909, 22.6198**, and if you desaturate by 10%, it is **34.6479, 36.0776, 36.4575**.

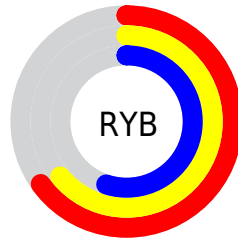
Distribution



Red (65%)

Green (60%)

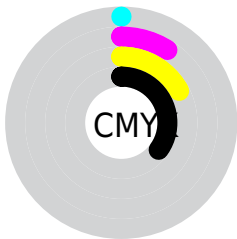
Blue (55%)



Red (65%)

Yellow (64%)

Blue (55%)

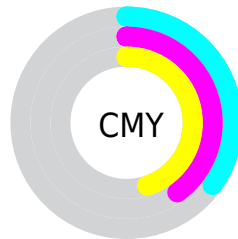


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8248, 32.5360, 29.0288 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 31.8248, 32.5360, 29.0288 by changing the saturation by 10% instead.

■ 31.8248, 32.5360,
29.0288

■ 31.8248, 32.5360,
29.0288

302.0799,
313.5537, 311.4160

■ 21.3826, 21.7712,
18.8568

■ 61.9034, 63.6504,
59.1656

■ 13.5180, 13.6889,
11.3911

■ 82.2705, 84.7689,
79.9675

■ 7.8657, 7.9046,
6.2131

■ 106.6766,
110.1073, 105.1498

■ 4.0602, 4.0340,
2.9042

135.4871,
140.0502, 135.1310

■ 1.7362, 1.6926,
1.0459

169.0673,
174.9819, 170.3297

■ 0.4788, 0.4188,
0.0000

207.7826,

■ 0.0000, 0.0000,

215.2868, 211.1644

0.0000

251.9983,
261.3493, 258.0536

■ 31.8248, 32.5360,
29.0288

■ 31.8248, 32.5360,
29.0288

■ 29.2994, 29.2909,
22.6198

■ 34.6479, 36.0776,
36.4575

■ 27.0583, 26.3298,
17.1832

■ 37.7763, 39.9190,
44.9462

■ 25.0907, 23.6455,
12.6710

■ 41.2205, 44.0694,
54.5355

■ 23.3842, 21.2289,
9.0304

■ 44.9898, 48.5358,
65.2633

■ 21.9252, 19.0702,
6.2030

■ 49.0931, 53.3252,
77.1655

■ 20.6986, 17.1591,
4.1233

■ 53.5387, 58.4444,
90.2767

■ 19.6873, 15.4839,
2.7152

■ 58.1895, 63.8415,
103.8635

■ 18.8676, 14.0303,
1.8688

■ 60.5244, 68.5114,
104.6418

■ 18.6293, 13.6012,
1.6434

■ 62.9858, 73.4341,
105.4622

Harmonies

Analogous

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



32.9304, 32.5360, 30.9904



31.8248, 32.5360, 29.0288



30.5068, 32.5360, 28.7127

Triad

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



31.8248, 32.5360, 29.0288



28.4817, 32.5360, 36.6414



32.5713, 32.5360, 41.3540

Complementary

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



31.8248, 32.5360, 29.0288



29.1780, 31.3896, 41.0806

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.



31.3460, 32.5360, 43.1122



31.8248, 32.5360, 29.0288



29.0017, 32.5360, 40.2662

Square

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



31.8248, 32.5360, 29.0288



28.6016, 32.5360, 32.9333



30.0413, 32.5360, 42.7005



33.3699, 32.5360, 38.0418

Rectangle

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



31.8248, 32.5360, 29.0288



29.6886, 32.5360, 29.4531



30.0413, 32.5360, 42.7005



32.1943, 32.5360, 42.1567

Sweetspot

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



31.8257, 32.5375, 29.0295



62.9517, 65.7268, 67.7054



31.0355, 29.0276, 34.7144



14.0057, 14.6074, 14.9320



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.8257, 32.5375, 29.0295



55.3103, 56.1214, 47.6557



34.1606, 37.2072, 29.8078



7.8075, 8.0950, 7.9403



14.3034, 10.5040, 1.2736



0.3995, 0.3586, 0.0482

Inverse Universe

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



29.1780, 31.3896, 41.0806



49.6938, 53.6862, 73.2186



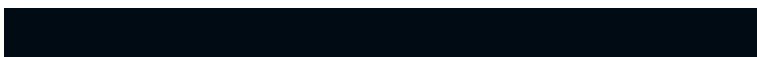
27.0596, 27.1527, 40.3744



7.4520, 7.9410, 9.5583



8.1490, 7.7582, 29.0435



0.2487, 0.2896, 0.7234

Previews

White Background



This preview shows how the XYZ color 31.8248, 32.5360, 29.0288 looks on a white background.

Color Contrast Check

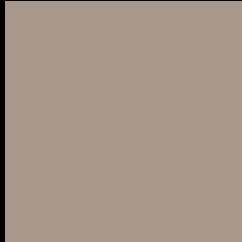
Large Text (above 18pt) WCAG AA × Fail

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 31.8248, 32.5360, 29.0288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

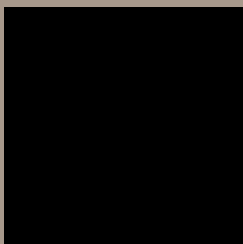
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

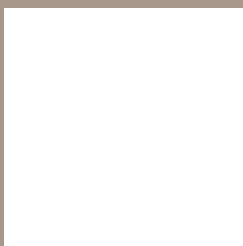
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8248, 32.5360, 29.0288

Background



This preview shows how black text looks on a background with the XYZ color 31.8248, 32.5360, 29.0288.



This preview shows how white text looks on a background with the XYZ color 31.8248, 32.5360,

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

31.8248, 32.5360, 29.0288

Protanopia

30.9872, 32.5817, 29.4666

Deuteranopia

33.1603, 32.5023, 29.3368



Tritanopia

33.6702, 32.5790, 37.7715

Trichromacy



Original Color

31.8248, 32.5360, 29.0288

Protanomaly

31.2291, 32.4624, 29.4309

Deuteranomaly

32.6532, 32.4768, 29.3586

Tritanomaly

32.9360, 32.5147, 34.2458

Monochromacy



Original Color

31.8248, 32.5360, 29.0288

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2785, 32.6521, 33.0877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8248, 32.5360, 29.0288 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(167, 152, 139)` looks like.

```
.text, #text, p{  
    color:rgb(167, 152, 139)  
}
```

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(167, 152, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 152, 139) }
```

Border

The CSS property to change the border of an element to XYZ 31.8248, 32.5360, 29.0288 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(167, 152, 139) }
```


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

```
.border{ border-color:rgb(167, 152, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 152, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 152, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 152, 139);  
box-shadow:4px 4px 4px 4px rgb(167, 152,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8248, 32.5360, 29.0288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 152, 139) }
```

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

```
.background{ background-color: rgb(167,  
152, 139) }
```

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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