

Converting Colors

XYZ(31.3651, 30.7683, 32.7692)

Have a look what the booklet for
XYZ(31.3651, 30.7683, 32.7692)
contains.

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Color

**XYZ(31.4296, 30.8347,
32.7289)**

Conversions

Conversions Part 1

Format	Color
Hex	A69295
RGB	166, 146, 149
RGB Percent	65%, 57%, 58%
CMY	0.3490, 0.4274, 0.4157
CMYK	0.00, 0.12, 0.10, 0.35
HSL	351°, 10%, 61%
HSV	351°, 12%, 65%
XYZ	31.4296, 30.8347, 32.7289
YIQ	152.3220, 10.9570, 5.1730

Conversions

Conversions Part 2

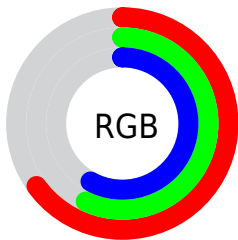
Format	Color
R _Y B	166, 146, 149
Decimal	10916501
CIE Lab	62.37, 7.96, 1.14
CIE LCh	62, 8.046, 8.167
Yxy	30.8347, 0.3309, 0.3246
Android (android.graphics.Color)	4289106581 (0xFFA69295)
YUV	152.3220, -1.6377, 11.9956
Hunter-Lab	55.5290, 3.8558, 3.9247

Details

The XYZ color **31.4296, 30.8347, 32.7289** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1024, 36.0286, 39.9144**, and the grayscale version is **29.9884, 31.5501, 34.3581**.

A 20% lighter version of the original color is **61.2526, 60.9925, 65.0443**, and **13.3269, 12.8250, 13.3283** is the 20% darker color. If you saturate the color by 10%, you get **27.9950, 25.6604, 26.3580**, and if you desaturate by 10%, it is **35.3741, 36.8095, 39.9441**.

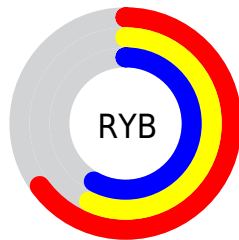
Distribution



Red (65%)

Green (57%)

Blue (58%)



Red (65%)

Yellow (57%)

Blue (58%)

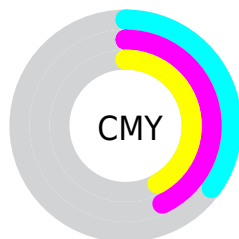


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (35%)



Cyan (35%)

Magenta (43%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4296, 30.8347, 32.7289 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 31.4296, 30.8347, 32.7289 by changing the saturation by 10% instead.

■ 31.4296, 30.8347,
32.7289

■ 31.4296, 30.8347,
32.7289

300.3043,
305.7761, 329.0208

■ 21.0796, 20.4730,
21.6494

■ 61.2871, 60.9797,
65.0632

■ 13.2950, 12.7393,
13.4037

■ 81.5252, 81.5319,
87.1550

■ 7.7104, 7.2493,
7.5731

105.7902,
106.2496, 113.7548

■ 3.9604, 3.6185,
3.7392

134.4473,
135.5173, 145.2810

■ 1.6798, 1.4625,
1.4834

167.8619,
169.7194, 182.1522

■ 0.4436, 0.2621,
0.2055

206.3994,

■ 0.0000, 0.0000,

209.2403, 224.7868

0.0000

250.4251,
254.4644, 273.6035

■ 31.4296, 30.8347,
32.7289

■ 31.4296, 30.8347,
32.7289

■ 27.9950, 25.6604,
26.3580

■ 35.3741, 36.8095,
39.9441

■ 25.0468, 21.2486,
20.7986

■ 39.8454, 43.6125,
48.0309

■ 22.5638, 17.5645,
16.0185

■ 44.8631, 51.2752,
57.0179

■ 20.5218, 14.5689,
11.9826

■ 50.4446, 59.8260,
66.9317

■ 18.8947, 12.2189,
8.6533

■ 56.6070, 69.2923,
77.7979

■ 17.6537, 10.4667,
5.9893

■ 63.3662, 79.7001,
89.6409

■ 16.7658, 9.2579,
3.9453

■ 68.3963, 86.3912,
101.7039

■ 16.1926, 8.5282,
2.4700

■ 69.5361, 86.8471,
107.7060

■ 15.9002, 8.1767,
1.6531

Harmonies

Analogous

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



31.2947, 30.8347, 35.8539



31.4296, 30.8347, 32.7289



30.9849, 30.8347, 30.0023

Triad

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



31.4296, 30.8347, 32.7289



28.0323, 30.8347, 29.0758



28.5355, 30.8347, 39.4544

Complementary

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



31.4296, 30.8347, 32.7289



32.1024, 36.0286, 39.9144

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.



27.6917, 30.8347, 37.4180



31.4296, 30.8347, 32.7289



27.4062, 30.8347, 31.3924

Square

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



31.4296, 30.8347, 32.7289



29.0110, 30.8347, 27.9802



27.2831, 30.8347, 34.4330



29.6060, 30.8347, 39.8671

Rectangle

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



31.4296, 30.8347, 32.7289



30.4259, 30.8347, 28.7318



27.2831, 30.8347, 34.4330



28.2168, 30.8347, 38.9312

Sweetspot

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



31.4305, 30.8361, 32.7296



62.6721, 64.4865, 69.7121



32.2671, 31.0989, 40.3788



13.9034, 14.2467, 15.3788



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.



31.4305, 30.8361, 32.7296



55.5841, 53.7616, 56.7104



32.3064, 32.9660, 31.8561



7.5752, 7.5600, 8.0804



12.3411, 6.3451, 1.3417



0.3134, 0.1597, 0.1021

Inverse Universe

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



31.4305, 30.8361, 32.7296



55.5841, 53.7616, 56.7104



31.1363, 33.6615, 40.9331



7.5752, 7.5600, 8.0804



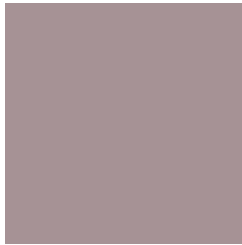
12.3411, 6.3451, 1.3417



0.3134, 0.1597, 0.1021

Previews

White Background



This preview shows how the XYZ color 31.4296, 30.8347, 32.7289 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 31.4296, 30.8347, 32.7289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

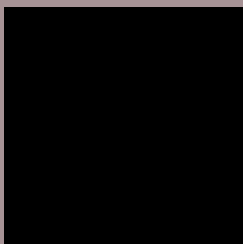
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4296, 30.8347, 32.7289

Background



This preview shows how black text looks on a background with the XYZ color 31.4296, 30.8347, 32.7289.



This preview shows how white text looks on a background with the XYZ color 31.4296, 30.8347,

32.7289.

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

31.4296, 30.8347, 32.7289

Protanopia

29.6291, 30.8194, 33.6653

Deuteranopia

31.4296, 30.8347, 32.7289



Tritanopia

32.0625, 30.8666, 35.7205

Trichromacy



Original Color

31.4296, 30.8347, 32.7289

Protanomaly

30.3530, 30.9660, 33.2314

Deuteranomaly

31.4296, 30.8347, 32.7289

Tritanomaly

31.8115, 30.7662, 34.3988

Monochromacy



Original Color

31.4296, 30.8347, 32.7289

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3969, 31.2152, 33.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4296, 30.8347, 32.7289 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(166, 146, 149)` looks like.

```
.text, #text, p{  
    color:rgb(166, 146, 149)  
}
```

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(166, 146, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 146, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.4296, 30.8347, 32.7289 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(166, 146, 149) }
```


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

```
.border{ border-color:rgb(166, 146, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 146, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 146, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 146, 149);  
box-shadow:4px 4px 4px 4px rgb(166, 146,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4296, 30.8347, 32.7289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 146, 149) }
```

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

```
.background{ background-color: rgb(166,  
146, 149) }
```

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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