

Converting Colors

XYZ(31.6765, 32.8313, 30.2959)

Have a look what the booklet for
XYZ(31.6765, 32.8313, 30.2959)
contains.

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Color

**XYZ(31.7479, 32.9567,
30.2792)**

Conversions

Conversions Part 1

Format	Color
Hex	A49A8E
RGB	164, 154, 142
RGB Percent	64%, 60%, 56%
CMY	0.3569, 0.3961, 0.4431
CMYK	0.00, 0.06, 0.13, 0.36
HSL	33°, 11%, 60%
HSV	33°, 13%, 64%
XYZ	31.7479, 32.9567, 30.2792
YIQ	155.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

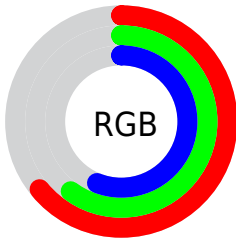
Format	Color
RYB	160, 164, 142
Decimal	10787470
CIELab	64.13, 1.55, 7.60
CIELCh	64, 7.760, 78.481
Yxy	32.9567, 0.3342, 0.3470
Android (android.graphics.Color)	4288977550 (0xFFA49A8E)
YUV	155.6220, -6.7156, 7.3475
Hunter-Lab	57.4079, -1.7493, 8.9137

Details

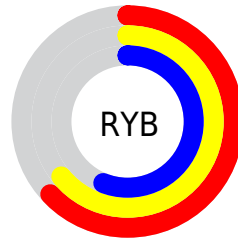
The XYZ color **31.7479, 32.9567, 30.2792** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0843, 30.8869, 39.5510**, and the grayscale version is **31.4582, 33.0965, 36.0420**.

A 20% lighter version of the original color is **61.7331, 64.1573, 61.3545**, and **13.4641, 13.9179, 12.1020** is the 20% darker color. If you saturate the color by 10%, you get **29.4143, 30.1170, 23.8669**, and if you desaturate by 10%, it is **34.3408, 36.0245, 37.6726**.

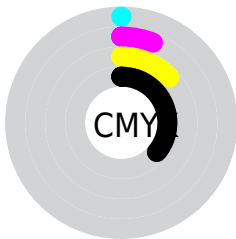
Distribution



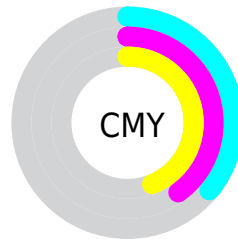
- Red (64%)
- Green (60%)
- Blue (56%)



- Red (63%)
- Yellow (64%)
- Blue (56%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7479, 32.9567, 30.2792 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 31.7479, 32.9567, 30.2792 by changing the saturation by 10% instead.

■ 31.7479, 32.9567,
30.2792

■ 31.7479, 32.9567,
30.2792

301.7350,
315.4546, 317.4514

■ 21.3236, 22.0933,
19.7968

■ 61.7835, 64.3079,
61.1697

■ 13.4746, 13.9255,
12.0648

■ 82.1256, 85.5645,
82.4147

■ 7.8354, 8.0688,
6.6647

■ 106.5043,
111.0543, 108.0845

■ 4.0407, 4.1390,
3.1781

135.2850,
141.1616, 138.5974

■ 1.7252, 1.7516,
1.1863

168.8331,
176.2709, 174.3720

■ 0.4720, 0.4568,
0.0000

207.5139,

■ 0.0000, 0.0000,

216.7666, 215.8268

0.0000

251.6927,
263.0330, 263.3805

■ 31.7479, 32.9567,
30.2792

■ 31.7479, 32.9567,
30.2792

■ 29.4143, 30.1170,
23.8669

■ 34.3408, 36.0245,
37.6726

■ 27.3282, 27.4952,
18.3916

■ 37.1992, 39.3217,
46.0845

■ 25.4805, 25.0865,
13.8090

■ 40.3322, 42.8552,
55.5527

■ 23.8606, 22.8844,
10.0703

■ 43.7477, 46.6302,
66.1125

■ 22.4570, 20.8817,
7.1221

■ 47.4533, 50.6516,
77.7978

■ 21.2569, 19.0710,
4.9044

■ 51.4562, 54.9244,
90.6406

■ 20.2457, 17.4438,
3.3491

■ 55.4719, 59.3365,
103.1372

■ 19.4064, 15.9907,
2.3743

■ 57.3107, 63.0141,
103.7501

■ 18.9223, 15.1174,
1.9206

■ 59.2357, 66.8641,
104.3917

Harmonies

Analogous

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



32.7449, 32.9567, 31.5444



31.7479, 32.9567, 30.2792



30.6598, 32.9567, 30.4492

Triad

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



31.7479, 32.9567, 30.2792



29.3642, 32.9567, 37.8354



32.9320, 32.9567, 40.0437

Complementary

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



31.7479, 32.9567, 30.2792



29.0843, 30.8869, 39.5510

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.



31.9984, 32.9567, 41.9304



31.7479, 32.9567, 30.2792



29.9455, 32.9567, 40.6049

Square

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



31.7479, 32.9567, 30.2792



29.3007, 32.9567, 34.6902



30.9046, 32.9567, 42.1415



33.4391, 32.9567, 37.1054

Rectangle

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



31.7479, 32.9567, 30.2792



30.0288, 32.9567, 31.3557



30.9046, 32.9567, 42.1415



32.6566, 32.9567, 40.8291

Sweetspot

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



31.7488, 32.9582, 30.2799



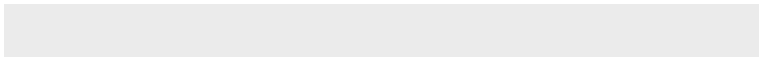
62.0083, 65.0094, 67.4383



30.6726, 29.5147, 33.9011



13.4788, 14.1216, 14.5195



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.



31.7488, 32.9582, 30.2799



56.3585, 58.2940, 51.4230



33.3171, 36.3189, 30.8459



7.3790, 7.6963, 7.4767



14.5568, 11.6875, 1.4887



0.3524, 0.3386, 0.0468

Inverse Universe

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



29.0843, 30.8869, 39.5510



50.5964, 53.8151, 71.4730



27.6559, 27.8427, 39.0387



6.9532, 7.3653, 8.9582



7.0888, 5.9570, 27.7060



0.1960, 0.2193, 0.5978

Previews

White Background



This preview shows how the XYZ color 31.7479, 32.9567, 30.2792 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 31.7479, 32.9567, 30.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

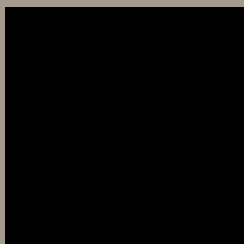
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

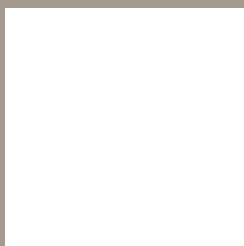
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7479, 32.9567, 30.2792

Background



This preview shows how black text looks on a background with the XYZ color 31.7479, 32.9567, 30.2792.

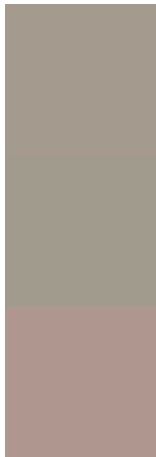


This preview shows how white text looks on a background with the XYZ color 31.7479, 32.9567,

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

31.7479, 32.9567, 30.2792

Protanopia

31.3018, 32.9728, 30.3058

Deuteranopia

33.5435, 32.9098, 30.5709



Tritanopia

33.6138, 32.9931, 39.2470

Trichromacy



Original Color

31.7479, 32.9567, 30.2792

Protanomaly

31.5041, 33.0771, 30.3153

Deuteranomaly

32.8191, 32.7743, 30.5829

Tritanomaly

32.8705, 32.9300, 35.6340

Monochromacy



Original Color

31.7479, 32.9567, 30.2792

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6053, 33.0480, 33.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7479, 32.9567, 30.2792 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(164, 154, 142)` looks like.

```
.text, #text, p{  
    color:rgb(164, 154, 142)  
}
```

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(164, 154, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 154, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.7479, 32.9567, 30.2792 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(164, 154, 142) }
```


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

```
.border{ border-color:rgb(164, 154, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 154, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 154, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 154, 142);  
box-shadow:4px 4px 4px 4px rgb(164, 154,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7479, 32.9567, 30.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 154, 142) }
```

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

```
.background{ background-color: rgb(164,  
154, 142) }
```

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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