

Converting Colors

XYZ(31.1146, 32.7421, 32.6901)

Have a look what the booklet for
XYZ(31.1146, 32.7421, 32.6901)
contains.

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Color

**XYZ(31.1672, 32.8499,
32.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9B94
RGB	158, 155, 148
RGB Percent	62%, 61%, 58%
CMY	0.3804, 0.3921, 0.4196
CMYK	0.00, 0.02, 0.06, 0.38
HSL	42°, 5%, 60%
HSV	42°, 6%, 62%
XYZ	31.1672, 32.8499, 32.7150
YIQ	155.0990, 4.0350, -1.5410

Conversions

Conversions Part 2

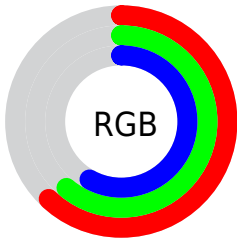
Format	Color
RYB	152, 158, 148
Decimal	10394516
CIELab	64.04, -0.21, 4.04
CIElCh	64, 4.049, 92.903
Yxy	32.8499, 0.3222, 0.3396
Android (android.graphics.Color)	4288584596 (0xFF9E9B94)
YUV	155.0990, -3.4998, 2.5442
Hunter-Lab	57.3148, -3.2345, 6.2780

Details

The XYZ color **31.1672, 32.8499, 32.7150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4509, 30.8973, 36.7597**, and the grayscale version is **31.2140, 32.8396, 35.7623**.

A 20% lighter version of the original color is **60.9017, 64.0113, 65.0227**, and **13.1714, 13.8895, 13.2960** is the 20% darker color. If you saturate the color by 10%, you get **29.2286, 30.8391, 26.3141**, and if you desaturate by 10%, it is **33.3093, 34.9937, 40.0269**.

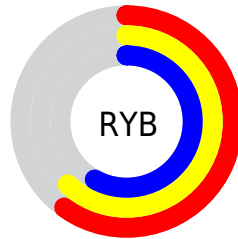
Distribution



Red (62%)

Green (61%)

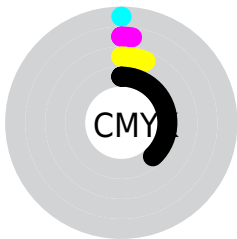
Blue (58%)



Red (60%)

Yellow (62%)

Blue (58%)

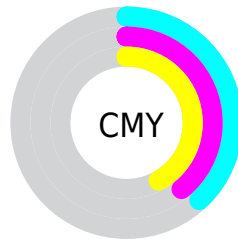


Cyan (0%)

Magenta (2%)

Yellow (6%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1672, 32.8499, 32.7150 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 31.1672, 32.8499, 32.7150 by changing the saturation by 10% instead.

■ 31.1672, 32.8499,
32.7150

■ 31.1672, 32.8499,
32.7150

299.1210,
314.9728, 328.9561

■ 20.8787, 22.0115,
21.6389

■ 60.8773, 64.1411,
65.0412

■ 13.1473, 13.8653,
13.3960

■ 81.0295, 85.3627,
87.1283

■ 7.6077, 8.0271,
7.5679

105.2003,
110.8141, 113.7229

■ 3.8947, 4.1123,
3.7359

133.7551,
140.8798, 145.2435

■ 1.6427, 1.7366,
1.4816

167.0592,
175.9441, 182.1085

■ 0.4200, 0.4472,
0.2042

205.4780,

■ 0.0000, 0.0000,

216.3915, 224.7366

0.0000

249.3768,
262.6062, 273.5463

■ 31.1672, 32.8499,
32.7150

■ 31.1672, 32.8499,
32.7150

■ 29.2286, 30.8391,
26.3141

■ 33.3093, 34.9937,
40.0269

■ 27.4835, 28.9536,
20.7856

■ 35.6590, 37.2695,
48.2817

■ 25.9252, 27.1910,
16.0917

■ 38.2237, 39.6818,
57.5129

■ 24.5454, 25.5477,
12.1904

■ 41.0095, 42.2336,
67.7511

■ 23.3351, 24.0193,
9.0367

■ 44.0224, 44.9279,
79.0260

■ 22.2846, 22.6014,
6.5804

■ 47.2680, 47.7674,
91.3659

■ 21.3828, 21.2889,
4.7656

■ 50.1665, 50.5207,
101.7152

■ 20.6170, 20.0762,
3.5275

■ 51.1959, 52.5795,
102.0583

■ 19.9692, 18.9553,
2.7728

■ 52.2588, 54.7053,
102.4126

Harmonies

Analogous

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



31.7262, 32.8499, 33.0378



31.1672, 32.8499, 32.7150



30.6295, 32.8499, 33.1893

Triad

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



31.1672, 32.8499, 32.7150



30.3090, 32.8499, 37.5055



32.2117, 32.8499, 37.2212

Complementary

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



31.1672, 32.8499, 32.7150



29.4509, 30.8973, 36.7597

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.



31.8238, 32.8499, 38.4768



31.1672, 32.8499, 32.7150



30.7248, 32.8499, 38.6445

Square

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



31.1672, 32.8499, 32.7150



30.1378, 32.8499, 35.9277



31.2786, 32.8499, 39.0052



32.3336, 32.8499, 35.6087

Rectangle

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



31.1672, 32.8499, 32.7150



30.3542, 32.8499, 33.9025



31.2786, 32.8499, 39.0052



32.1079, 32.8499, 37.7007

Sweetspot

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



31.1681, 32.8513, 32.7157



58.2229, 61.2968, 64.9004



30.2768, 30.6838, 33.6055



13.1367, 13.8297, 14.6671



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.1681, 32.8513, 32.7157



55.9299, 58.9720, 57.1650



31.2829, 33.6602, 32.8658



7.0022, 7.3844, 7.0419



15.8504, 14.9364, 2.0476



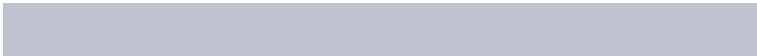
0.3183, 0.3369, 0.0483

Inverse Universe

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



29.4509, 30.8973, 36.7597



51.9595, 54.4541, 66.5156



29.3396, 30.1330, 36.6180



6.4388, 6.7433, 8.3689



5.7994, 3.6903, 26.3139



0.1382, 0.1349, 0.4820

Previews

White Background



This preview shows how the XYZ color 31.1672, 32.8499, 32.7150 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 31.1672, 32.8499, 32.7150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

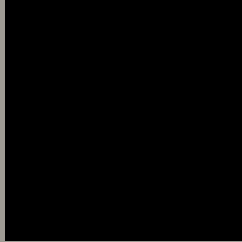
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1672, 32.8499, 32.7150

Background



This preview shows how black text looks on a background with the XYZ color 31.1672, 32.8499, 32.7150.



This preview shows how white text looks on a background with the XYZ color 31.1672, 32.8499, 32.7150.

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

31.1672, 32.8499, 32.7150

Protanopia

31.5638, 33.0544, 32.7335

Deuteranopia

33.3444, 32.7533, 32.9983



Tritanopia

32.6800, 32.9727, 40.2393

Trichromacy



Original Color

31.1672, 32.8499, 32.7150

Protanomaly

31.3647, 32.9517, 32.7242

Deuteranomaly

32.5894, 32.8419, 33.0552

Tritanomaly

32.1117, 32.9853, 37.4752

Monochromacy



Original Color

31.1672, 32.8499, 32.7150

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0991, 32.7776, 34.3934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1672, 32.8499, 32.7150 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(158, 155, 148)` looks like.

```
.text, #text, p{  
    color:rgb(158, 155, 148)  
}
```

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(158, 155, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 155, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.1672, 32.8499, 32.7150 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(158, 155, 148) }
```


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

```
.border{ border-color:rgb(158, 155, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 155, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 155, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 155, 148);  
box-shadow:4px 4px 4px 4px rgb(158, 155,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1672, 32.8499, 32.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 155, 148) }
```

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

```
.background{ background-color: rgb(158,  
155, 148) }
```

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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