

Converting Colors

XYZ(31.8013, 32.1957, 32.9720)

Have a look what the booklet for
XYZ(31.8013, 32.1957, 32.9720)
contains.

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Color

**XYZ(31.8013, 32.1957,
32.9720)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A49795 |
| RGB | 164, 151, 149 |
| RGB Percent | 64%, 59%, 58% |
| CMY | 0.3569, 0.4078, 0.4157 |
| CMYK | 0.00, 0.08, 0.09, 0.36 |
| HSL | 8°, 8%, 61% |
| HSV | 8°, 9%, 64% |
| XYZ | 31.8013, 32.1957, 32.9720 |
| YIQ | 154.6590, 8.3900, 2.1340 |

Conversions

Conversions Part 2

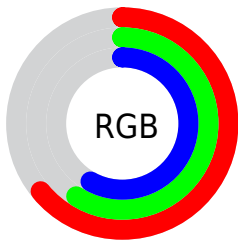
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 164, 151, 149 |
| Decimal | 10786709 |
| CIELab | 63.50, 4.42, 2.77 |
| CIELCh | 64, 5.220, 32.071 |
| Yxy | 32.1957, 0.3280, 0.3320 |
| Android (android.graphics.Color) | 4288976789 (0xFFA49795) |
| YUV | 154.6590, -2.7899, 8.1921 |
| Hunter-Lab | 56.7413, 0.7452, 5.2658 |

Details

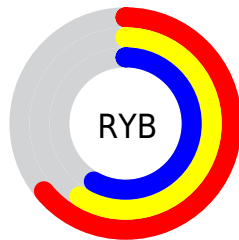
The XYZ color **31.8013, 32.1957, 32.9720** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0155, 34.9099, 40.1733**, and the grayscale version is **31.0152, 32.6304, 35.5345**.

A 20% lighter version of the original color is **61.8242, 63.0345, 65.4083**, and **13.4439, 13.4409, 13.4411** is the 20% darker color. If you saturate the color by 10%, you get **28.4326, 27.4079, 25.8377**, and if you desaturate by 10%, it is **35.6319, 37.6114, 41.1707**.

Distribution



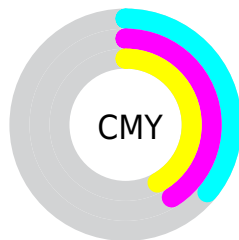
- Red (64%)
- Green (59%)
- Blue (58%)



- Red (64%)
- Yellow (59%)
- Blue (58%)



- Cyan (0%)
- Magenta (8%)
- Yellow (9%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8013, 32.1957, 32.9720 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 31.8013, 32.1957, 32.9720 by changing the saturation by 10% instead.

■ 31.8013, 32.1957,
32.9720

■ 31.8013, 32.1957,
32.9720

301.9745,
312.0098, 330.1517

■ 21.3646, 21.5110,
21.8341

■ 61.8668, 63.1178,
65.4473

■ 13.5047, 13.4981,
13.5379

■ 82.2262, 84.1239,
87.6218

■ 7.8564, 7.7724,
7.6649

106.6240,
109.3394, 114.3121

■ 4.0542, 3.9497,
3.7966

135.4254,
139.1485, 145.9370

■ 1.7329, 1.6454,
1.5144

168.9958,
173.9357, 182.9148

■ 0.4767, 0.3879,
0.2286

207.7005,

■ 0.0000, 0.0000,

214.0854, 225.6642

0.0000

251.9050,
259.9820, 274.6036

■ 31.8013, 32.1957,
32.9720

■ 31.8013, 32.1957,
32.9720

■ 28.4326, 27.4079,
25.8377

■ 35.6319, 37.6114,
41.1707

■ 25.5056, 23.2212,
19.7222

■ 39.9382, 43.6722,
50.4729

■ 23.0028, 19.6131,
14.5794

■ 44.7367, 50.4000,
60.9182

■ 20.9042, 16.5580,
10.3592

■ 50.0424, 57.8141,
72.5435

■ 19.1885, 14.0285,
7.0067

■ 55.8696, 65.9334,
85.3841

■ 17.8321, 11.9947,
4.4613

■ 62.2321, 74.7758,
99.4741

■ 16.8090, 10.4239,
2.6546

■ 67.6931, 83.7787,
107.2108

■ 16.0893, 9.2791,
1.5068

■ 69.1200, 86.6326,
107.6865

■ 15.6264, 8.5130,
0.8598

Harmonies

Analogous

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



32.0198, 32.1957, 34.9111



31.8013, 32.1957, 32.9720



31.2606, 32.1957, 31.6352

Triad

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



31.8013, 32.1957, 32.9720



29.3822, 32.1957, 33.2133



30.6516, 32.1957, 39.2119

Complementary

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



31.8013, 32.1957, 32.9720



32.0155, 34.9099, 40.1733

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.



29.9508, 32.1957, 38.7142



31.8013, 32.1957, 32.9720



29.2248, 32.1957, 35.2006

Square

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



31.8013, 32.1957, 32.9720



29.8646, 32.1957, 31.7705



29.4314, 32.1957, 37.2253



31.3495, 32.1957, 38.5598

Rectangle

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



31.8013, 32.1957, 32.9720



30.7943, 32.1957, 31.2370



29.4314, 32.1957, 37.2253



30.4086, 32.1957, 39.1734

Sweetspot

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



31.8022, 32.1971, 32.9727



61.8577, 64.2898, 68.6778



32.5793, 31.9965, 38.6417



13.4033, 13.8855, 14.7573



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.



31.8022, 32.1971, 32.9727



56.3980, 56.5597, 57.0262



33.0474, 34.6875, 33.3878



7.1465, 7.2314, 7.3992



11.9787, 6.5314, 0.6293



0.2725, 0.1789, 0.0202

Inverse Universe

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



32.0155, 34.9099, 40.1733



56.8656, 62.5098, 72.8208



30.7340, 32.3469, 39.7461



7.1951, 7.8492, 9.0389



12.5910, 16.9614, 29.5400



0.2854, 0.3982, 0.6277

Previews

White Background



This preview shows how the XYZ color 31.8013, 32.1957, 32.9720 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 31.8013, 32.1957, 32.9720 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 31.8013, 32.1957, 32.9720

Background



This preview shows how black text looks on a background with the XYZ color 31.8013, 32.1957, 32.9720.



This preview shows how white text looks on a background with the XYZ color 31.8013, 32.1957,

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

31.8013, 32.1957, 32.9720

Protanopia

30.8009, 32.1526, 33.4368

Deuteranopia

32.7498, 32.2109, 32.9250



Tritanopia

32.9064, 32.1751, 38.1943

Trichromacy



Original Color

31.8013, 32.1957, 32.9720

Protanomaly

31.2305, 32.1321, 33.4102

Deuteranomaly

32.4796, 32.3074, 32.9579

Tritanomaly

32.5092, 32.2463, 36.4090

Monochromacy



Original Color

31.8013, 32.1957, 32.9720

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4059, 32.6802, 34.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8013, 32.1957, 32.9720 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, 151, 149) looks like.

```
.text, #text, p{  
    color:rgb(164, 151, 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(164, 151, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 151, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.8013, 32.1957, 32.9720 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, 151, 149) }
```


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

```
.border{ border-color:rgb(164, 151, 149) }
```

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

Here you see how a box with a 4 pixel rgb(164, 151, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 151, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 151, 149);  
box-shadow:4px 4px 4px 4px rgb(164, 151,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8013, 32.1957, 32.9720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 151, 149) }
```

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

```
.background{ background-color: rgb(164,  
151, 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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