

Converting Colors

XYZ(31.1150, 32.5196, 34.3447)

Have a look what the booklet for
XYZ(31.1150, 32.5196, 34.3447)
contains.

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Color

**XYZ(31.1277, 32.5463,
34.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9A98
RGB	157, 154, 152
RGB Percent	62%, 60%, 60%
CMY	0.3843, 0.3961, 0.4039
CMYK	0.00, 0.02, 0.03, 0.38
HSL	24°, 2%, 61%
HSV	24°, 3%, 62%
XYZ	31.1277, 32.5463, 34.3472
YIQ	154.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

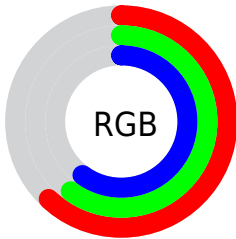
Format	Color
RYB	157, 155, 152
Decimal	10328728
CIELab	63.79, 0.72, 1.43
CIELCh	64, 1.595, 63.352
Yxy	32.5463, 0.3176, 0.3320
Android (android.graphics.Color)	4288518808 (0xFF9D9A98)
YUV	154.6690, -1.3158, 2.0443
Hunter-Lab	57.0494, -2.4419, 4.2384

Details

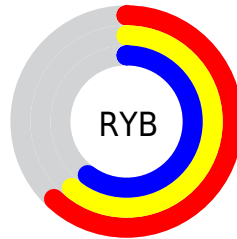
The XYZ color **31.1277, 32.5463, 34.3472** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7560, 32.5519, 36.5608**, and the grayscale version is **31.0151, 32.6303, 35.5344**.

A 20% lighter version of the original color is **60.8478, 63.5650, 67.4548**, and **13.1431, 13.7043, 14.2644** is the 20% darker color. If you saturate the color by 10%, you get **28.4335, 29.0810, 27.5195**, and if you desaturate by 10%, it is **34.1158, 36.3261, 42.1135**.

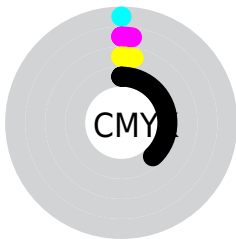
Distribution



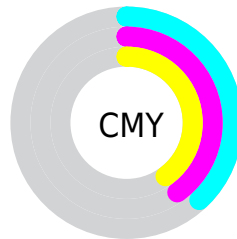
- Red (62%)
- Green (60%)
- Blue (60%)



- Red (62%)
- Yellow (61%)
- Blue (60%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1277, 32.5463, 34.3472 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 31.1277, 32.5463, 34.3472 by changing the saturation by 10% instead.

■ 31.1277, 32.5463,
34.3472

■ 31.1277, 32.5463,
34.3472

298.9426,
313.6004, 336.4937

■ 20.8484, 21.7791,
22.8809

■ 60.8155, 63.6665,
67.6133

■ 13.1251, 13.6947,
14.3011

■ 80.9548, 84.7884,
90.2502

■ 7.5923, 7.9086,
8.1893

105.1114,
110.1306, 117.4477

■ 3.8848, 4.0365,
4.1268

133.6508,
140.0775, 149.6244

■ 1.6372, 1.6940,
1.6952

166.9382,
175.0135, 187.1988

■ 0.4165, 0.4198,
0.3574

205.3391,

■ 0.0000, 0.0000,

215.3231, 230.5895

0.0000

249.2188,
261.3906, 280.2150

■ 31.1277, 32.5463,
34.3472

■ 31.1277, 32.5463,
34.3472

■ 28.4335, 29.0810,
27.5195

■ 34.1158, 36.3261,
42.1135

■ 26.0210, 25.9178,
21.5923

■ 37.4040, 40.4240,
50.8502

■ 23.8812, 23.0494,
16.5282

■ 41.0017, 44.8491,
60.5903

■ 22.0035, 20.4670,
12.2863

■ 44.9172, 49.6087,
71.3643

■ 20.3765, 18.1609,
8.8222

■ 49.1584, 54.7098,
83.2018

■ 18.9881, 16.1210,
6.0873

■ 53.7327, 60.1593,
96.1309

■ 17.8248, 14.3366,
4.0277

■ 57.5163, 65.5112,
104.2212

■ 16.8714, 12.7959,
2.5815

■ 60.0544, 70.5874,
105.0673

■ 16.1105, 11.4858,
1.6754

■ 62.7338, 75.9461,
105.9604

Harmonies

Analogous

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



31.2952, 32.5463, 34.7641



31.1277, 32.5463, 34.3472



30.9091, 32.5463, 34.2212

Triad

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



31.1277, 32.5463, 34.3472



30.5067, 32.5463, 35.5095



31.1715, 32.5463, 36.4769

Complementary

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



31.1277, 32.5463, 34.3472



30.7560, 32.5519, 36.5608

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.



30.9594, 32.5463, 36.6821



31.1277, 32.5463, 34.3472



30.5762, 32.5463, 36.1193

Square

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



31.1277, 32.5463, 34.3472



30.5512, 32.5463, 34.8875



30.7417, 32.5463, 36.5504



31.3205, 32.5463, 35.9931

Rectangle

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



31.1277, 32.5463, 34.3472



30.7640, 32.5463, 34.3179



30.7417, 32.5463, 36.5504



31.1052, 32.5463, 36.5810

Sweetspot

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



31.1286, 32.5477, 34.3479



56.8611, 59.7065, 64.3799



31.0497, 31.9916, 35.5492



12.5190, 13.1470, 14.1846



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



31.1286, 32.5477, 34.3479



55.2959, 57.7126, 60.3543



31.5451, 33.3806, 34.4867



7.1335, 7.4369, 7.7336



12.7664, 8.7683, 1.0196



0.2684, 0.2371, 0.0316

Inverse Universe

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



30.7560, 32.5519, 36.5608



54.4465, 57.7220, 65.3986



30.3447, 31.7293, 36.4237



7.0090, 7.4383, 8.4730



8.2384, 8.5683, 27.1269



0.1879, 0.2344, 0.4986

Previews

White Background



This preview shows how the XYZ color 31.1277, 32.5463, 34.3472 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 31.1277, 32.5463, 34.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

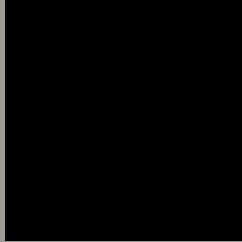
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

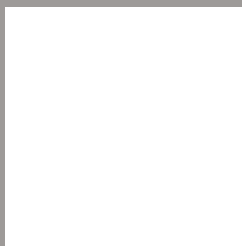
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1277, 32.5463, 34.3472

Background



This preview shows how black text looks on a background with the XYZ color 31.1277, 32.5463, 34.3472.



This preview shows how white text looks on a background with the XYZ color 31.1277, 32.5463,

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

31.1277, 32.5463, 34.3472

Protanopia

31.3236, 32.6473, 34.3564

Deuteranopia

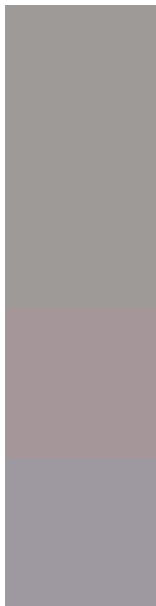
33.0748, 32.3408, 34.6362



Tritanopia

32.2272, 32.5077, 39.6980

Trichromacy



Original Color

31.1277, 32.5463, 34.3472

Protanomaly

31.3236, 32.6473, 34.3564

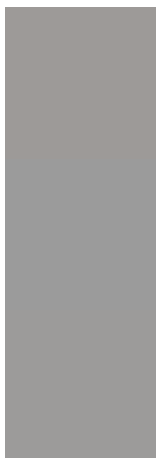
Deuteranomaly

32.3334, 32.4325, 34.6929

Tritanomaly

31.8369, 32.5896, 37.8701

Monochromacy



Original Color

31.1277, 32.5463, 34.3472

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2644, 32.8437, 35.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1277, 32.5463, 34.3472 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(157, 154, 152)` looks like.

```
.text, #text, p{  
    color:rgb(157, 154, 152)  
}
```

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(157, 154, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 154, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.1277, 32.5463, 34.3472 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(157, 154, 152) }
```


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

```
.border{ border-color:rgb(157, 154, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 154, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 154, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 154, 152);  
box-shadow:4px 4px 4px 4px rgb(157, 154,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1277, 32.5463, 34.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 154, 152) }
```

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

```
.background{ background-color: rgb(157,  
154, 152) }
```

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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