

Converting Colors

XYZ(31.6009, 32.2646, 33.8407)

Have a look what the booklet for
XYZ(31.6009, 32.2646, 33.8407)
contains.

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Color

**XYZ(31.7144, 32.3722,
33.8551)**

Conversions

Conversions Part 1

Format	Color
Hex	A29897
RGB	162, 152, 151
RGB Percent	64%, 60%, 59%
CMY	0.3647, 0.4039, 0.4078
CMYK	0.00, 0.06, 0.07, 0.36
HSL	5°, 6%, 61%
HSV	5°, 7%, 64%
XYZ	31.7144, 32.3722, 33.8551
YIQ	154.8760, 6.2810, 1.8090

Conversions

Conversions Part 2

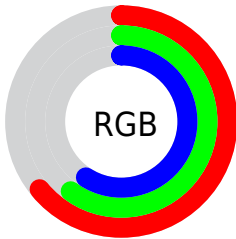
Format	Color
RYB	162, 152, 151
Decimal	10655895
CIELab	63.65, 3.48, 1.83
CIELCh	64, 3.935, 27.767
Yxy	32.3722, 0.3238, 0.3305
Android (android.graphics.Color)	4288845975 (0xFFA29897)
YUV	154.8760, -1.9109, 6.2477
Hunter-Lab	56.8966, -0.0723, 4.5483

Details

The XYZ color **31.7144, 32.3722, 33.8551** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0288, 34.6770, 39.1879**, and the grayscale version is **31.1078, 32.7279, 35.6407**.

A 20% lighter version of the original color is **61.7060, 63.3021, 66.7239**, and **13.3843, 13.5425, 13.9651** is the 20% darker color. If you saturate the color by 10%, you get **28.2452, 27.3964, 26.6477**, and if you desaturate by 10%, it is **35.6629, 38.0164, 42.1151**.

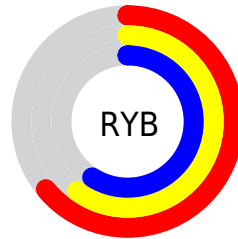
Distribution



Red (64%)

Green (60%)

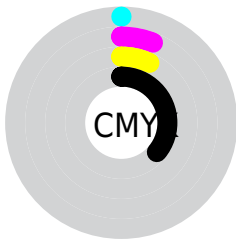
Blue (59%)



Red (64%)

Yellow (60%)

Blue (59%)

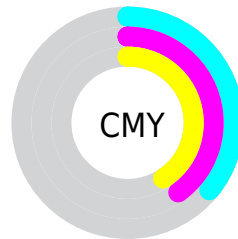


Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (36%)



Cyan (36%)

Magenta (40%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7144, 32.3722, 33.8551 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 31.7144, 32.3722, 33.8551 by changing the saturation by 10% instead.

■ 31.7144, 32.3722,
33.8551

■ 31.7144, 32.3722,
33.8551

301.5846,
312.8113, 334.2349

■ 21.2979, 21.6459,
22.5058

■ 61.7313, 63.3941,
66.8396

■ 13.4557, 13.5970,
14.0272

■ 82.0625, 84.4586,
89.3119

■ 7.8222, 7.8409,
8.0006

106.4292,
109.7379, 116.3290

■ 4.0322, 3.9933,
4.0076

135.1970,
139.6165, 148.3094

■ 1.7204, 1.6698,
1.6295

168.7310,
174.4787, 185.6716

■ 0.4690, 0.4040,
0.3117

207.3967,

■ 0.0000, 0.0000,

214.7090, 228.8343

0.0000

251.5595,
260.6917, 278.2158

■ 31.7144, 32.3722,
33.8551

■ 31.7144, 32.3722,
33.8551

■ 28.2452, 27.3964,
26.6477

■ 35.6629, 38.0164,
42.1151

■ 25.2345, 23.0602,
20.4485

■ 40.1051, 44.3482,
51.4653

■ 22.6638, 19.3390,
15.2132

■ 45.0582, 51.3910,
61.9442

■ 20.5124, 16.2049,
10.8933

■ 50.5379, 59.1661,
73.5878

■ 18.7580, 13.6278,
7.4363

■ 56.5591, 67.6936,
86.4302

■ 17.3762, 11.5751,
4.7839

■ 63.1360, 76.9933,
100.5045

■ 16.3398, 10.0106,
2.8712

■ 68.7104, 86.4214,
107.6673

■ 15.6178, 8.8937,
1.6226

■ 15.1703, 8.1756,
0.9278

Harmonies

Analogous

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



31.8380, 32.3722, 35.3660



31.7144, 32.3722, 33.8551



31.3365, 32.3722, 32.7466

Triad

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



31.7144, 32.3722, 33.8551



29.8826, 32.3722, 33.6565



30.7276, 32.3722, 38.3627

Complementary

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



31.7144, 32.3722, 33.8551



32.0288, 34.6770, 39.1879

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.



30.2080, 32.3722, 37.8732



31.7144, 32.3722, 33.8551



29.7238, 32.3722, 35.1299

Square

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



31.7144, 32.3722, 33.8551



30.2786, 32.3722, 32.6344



29.8422, 32.3722, 36.6782



31.2643, 32.3722, 37.9972

Rectangle

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



31.7144, 32.3722, 33.8551



30.9935, 32.3722, 32.3690



29.8422, 32.3722, 36.6782



30.5452, 32.3722, 38.2924

Sweetspot

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



31.7153, 32.3736, 33.8558



60.8720, 63.4862, 68.3449



32.4076, 32.3912, 38.3011



13.6903, 14.2855, 15.3891



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.



31.7153, 32.3736, 33.8558



56.6681, 57.4705, 59.5689



32.6142, 34.1713, 34.1554



7.1233, 7.1850, 7.3915



11.8860, 6.3459, 0.5984



0.2643, 0.1625, 0.0174

Inverse Universe

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



32.0288, 34.6770, 39.1879



57.3453, 62.4461, 71.0870



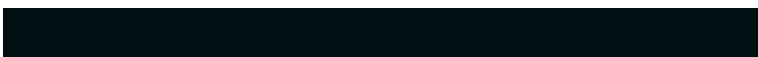
31.1032, 32.8257, 38.8794



7.2207, 7.9003, 9.0474



13.4025, 18.5843, 29.8105



0.2966, 0.4204, 0.6314

Previews

White Background



This preview shows how the XYZ color 31.7144, 32.3722, 33.8551 looks on a white background.

Color Contrast Check

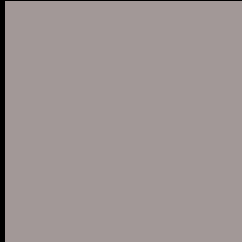
Large Text (above 18pt) WCAG AA × Fail

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 31.7144, 32.3722, 33.8551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

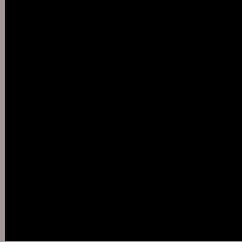
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7144, 32.3722, 33.8551

Background



This preview shows how black text looks on a background with the XYZ color 31.7144, 32.3722, 33.8551.



This preview shows how white text looks on a background with the XYZ color 31.7144, 32.3722,

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

31.7144, 32.3722, 33.8551

Protanopia

30.9634, 32.2176, 34.2924

Deuteranopia

32.9925, 32.3079, 34.2029



Tritanopia

32.7378, 32.3138, 38.6941

Trichromacy



Original Color

31.7144, 32.3722, 33.8551

Protanomaly

31.3568, 32.4204, 34.3108

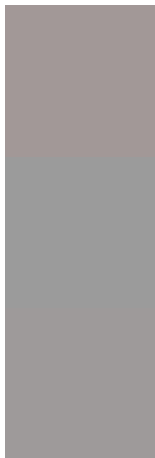
Deuteranomaly

32.5102, 32.2952, 34.2259

Tritanomaly

32.3424, 32.3884, 36.8947

Monochromacy



Original Color

31.7144, 32.3722, 33.8551

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4889, 32.7134, 35.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7144, 32.3722, 33.8551 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(162, 152, 151)` looks like.

```
.text, #text, p{  
    color:rgb(162, 152, 151)  
}
```

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(162, 152, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 152, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.7144, 32.3722, 33.8551 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(162, 152, 151) }
```


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

```
.border{ border-color:rgb(162, 152, 151) }
```

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

Here you see how a box with a 4 pixel rgb(162, 152, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 152, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 152, 151);  
box-shadow:4px 4px 4px 4px rgb(162, 152,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7144, 32.3722, 33.8551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 152, 151) }
```

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

```
.background{ background-color: rgb(162,  
152, 151) }
```

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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