

Converting Colors

XYZ(31.2499, 32.6739, 34.8155)

Have a look what the booklet for
XYZ(31.2499, 32.6739, 34.8155)
contains.

XYZ(31.2100, 32.5792, 34.7805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2100, 32.5792,
34.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9A99
RGB	157, 154, 153
RGB Percent	62%, 60%, 60%
CMY	0.3843, 0.3961, 0.4000
CMYK	0.00, 0.02, 0.03, 0.38
HSL	15°, 2%, 61%
HSV	15°, 3%, 62%
XYZ	31.2100, 32.5792, 34.7805
YIQ	154.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

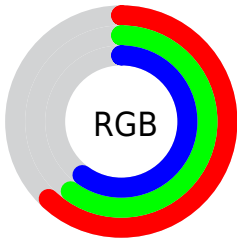
Format	Color
RYB	157, 154, 153
Decimal	10328729
CIELab	63.82, 0.90, 0.90
CIELCh	64, 1.276, 44.960
Yxy	32.5792, 0.3166, 0.3305
Android (android.graphics.Color)	4288518809 (0xFF9D9A99)
YUV	154.7830, -0.8790, 1.9443
Hunter-Lab	57.0782, -2.2841, 3.8265

Details

The XYZ color **31.2100, 32.5792, 34.7805** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1112, 32.9832, 36.6254**, and the grayscale version is **31.0637, 32.6814, 35.5900**.

A 20% lighter version of the original color is **60.9697, 63.6138, 68.0967**, and **13.1924, 13.7240, 14.5241** is the 20% darker color. If you saturate the color by 10%, you get **28.1504, 28.4003, 27.7784**, and if you desaturate by 10%, it is **34.6324, 37.2099, 42.7462**.

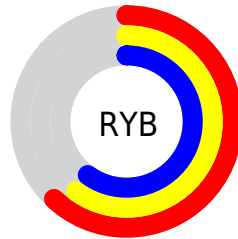
Distribution



Red (62%)

Green (60%)

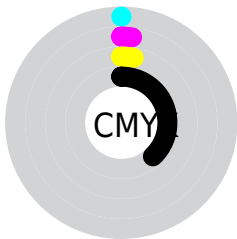
Blue (60%)



Red (62%)

Yellow (60%)

Blue (60%)

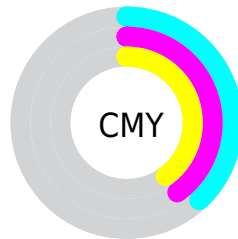


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2100, 32.5792, 34.7805 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 31.2100, 32.5792, 34.7805 by changing the saturation by 10% instead.

■ 31.2100, 32.5792,
34.7805

■ 31.2100, 32.5792,
34.7805

299.3143,
313.7493, 338.4732

■ 20.9114, 21.8043,
23.2116

■ 60.9441, 63.7180,
68.2933

■ 13.1714, 13.7132,
14.5431

■ 81.1104, 84.8507,
91.0743

■ 7.6245, 7.9214,
8.3563

105.2966,
110.2047, 118.4298

■ 3.9054, 4.0447,
4.2328

133.8681,
140.1645, 150.7783

■ 1.6487, 1.6986,
1.7539

167.1903,
175.1145, 188.5383

■ 0.4239, 0.4228,
0.3973

205.6285,

■ 0.0000, 0.0000,

215.4390, 232.1285

0.0000

249.5480,
261.5225, 281.9672

■ 31.2100, 32.5792,
34.7805

■ 31.2100, 32.5792,
34.7805

■ 28.1504, 28.4003,
27.7784

■ 34.6324, 37.2099,
42.7462

■ 25.4389, 24.6553,
21.7012

■ 38.4263, 42.3010,
51.7079

■ 23.0636, 21.3315,
16.5105

■ 42.6037, 47.8664,
61.6995

■ 21.0109, 18.4138,
12.1646

■ 47.1750, 53.9181,
72.7522

■ 19.2663, 15.8864,
8.6183

■ 52.1503, 60.4675,
84.8961

■ 17.8143, 13.7323,
5.8223

■ 57.5393, 67.5257,
98.1602

■ 16.6376, 11.9332,
3.7216

■ 62.0528, 74.5842,
105.7334

■ 15.7173, 10.4691,
2.2537

■ 65.5592, 81.5970,
106.9022

■ 15.0313, 9.3180,
1.3446

■ 67.7148, 85.9082,
107.6207

Harmonies

Analogous

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



31.2996, 32.5792, 35.2191



31.2100, 32.5792, 34.7805



31.0550, 32.5792, 34.5287

Triad

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



31.2100, 32.5792, 34.7805



30.6340, 32.5792, 35.2178



31.0546, 32.5792, 36.4351

Complementary

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



31.2100, 32.5792, 34.7805



31.1112, 32.9832, 36.6254

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.



30.8762, 32.5792, 36.4347



31.2100, 32.5792, 34.7805



30.6339, 32.5792, 35.7286

Square

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



31.2100, 32.5792, 34.7805



30.7227, 32.5792, 34.7795



30.7224, 32.5792, 36.1751



31.2097, 32.5792, 36.1760

Rectangle

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



31.2100, 32.5792, 34.7805



30.9358, 32.5792, 34.4992



30.7224, 32.5792, 36.1751



30.9954, 32.5792, 36.4654

Sweetspot

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



31.2109, 32.5806, 34.7812



56.7891, 59.5623, 64.3559



31.2971, 32.3514, 36.0479



12.5041, 13.1172, 14.1796



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.



31.2109, 32.5806, 34.7812



55.5999, 57.9467, 61.6079



31.5433, 33.2454, 34.8920



7.1608, 7.4478, 7.8772



11.9178, 7.0712, 0.7367



0.2436, 0.1874, 0.0233

Inverse Universe

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



31.1112, 32.9832, 36.6254



55.3862, 58.8091, 65.5589



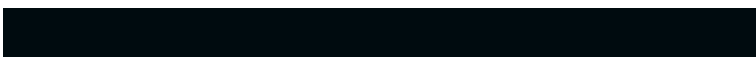
30.7788, 32.3184, 36.5146



7.1274, 7.5826, 8.4946



10.2009, 12.4934, 27.7811



0.2135, 0.2855, 0.5071

Previews

White Background



This preview shows how the XYZ color 31.2100, 32.5792, 34.7805 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 31.2100, 32.5792, 34.7805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

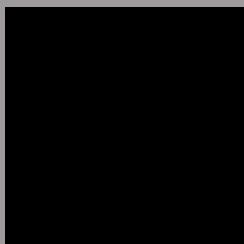
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

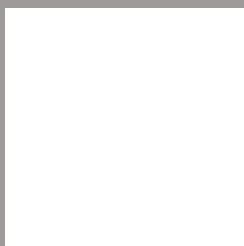
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2100, 32.5792, 34.7805

Background



This preview shows how black text looks on a background with the XYZ color 31.2100, 32.5792, 34.7805.



This preview shows how white text looks on a background with the XYZ color 31.2100, 32.5792,

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

31.2100, 32.5792, 34.7805

Protanopia

31.4059, 32.6802, 34.7896

Deuteranopia

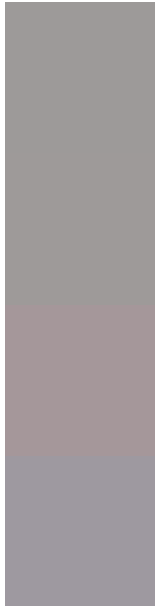
33.3166, 32.6918, 35.1260



Tritanopia

32.2272, 32.5077, 39.6980

Trichromacy



Original Color

31.2100, 32.5792, 34.7805

Protanomaly

31.4059, 32.6802, 34.7896

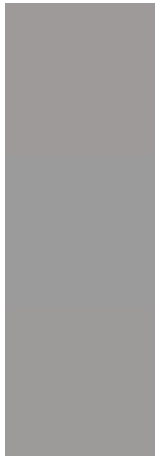
Deuteranomaly

32.4164, 32.4656, 35.1298

Tritanomaly

31.8369, 32.5896, 37.8701

Monochromacy



Original Color

31.2100, 32.5792, 34.7805

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 31.2100, 32.5792, 34.7805 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(157, 154, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 154, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.2100, 32.5792, 34.7805 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, 153) }
```


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

```
.border{ border-color:rgb(157, 154, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 154, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 154, 153);  
box-shadow:4px 4px 4px 4px rgb(157, 154,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2100, 32.5792, 34.7805 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, 153) }
```

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

```
.background{ background-color: rgb(157,  
154, 153) }
```

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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