

Converting Colors

XYZ(30.9866, 32.7391, 31.8805)

Have a look what the booklet for
XYZ(30.9866, 32.7391, 31.8805)
contains.

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Color

**XYZ(31.0102, 32.7871,
31.8883)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9B92
RGB	158, 155, 146
RGB Percent	62%, 61%, 57%
CMY	0.3804, 0.3921, 0.4274
CMYK	0.00, 0.02, 0.08, 0.38
HSL	45°, 6%, 60%
HSV	45°, 8%, 62%
XYZ	31.0102, 32.7871, 31.8883
YIQ	154.8710, 4.6770, -2.1630

Conversions

Conversions Part 2

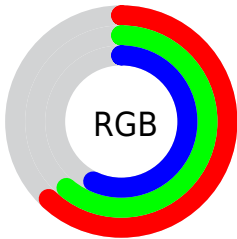
Format	Color
RYB	150, 158, 146
Decimal	10394514
CIELab	63.99, -0.57, 5.09
CIElCh	64, 5.125, 96.330
Yxy	32.7871, 0.3241, 0.3427
Android (android.graphics.Color)	4288584594 (0xFF9E9B92)
YUV	154.8710, -4.3734, 2.7441
Hunter-Lab	57.2600, -3.5351, 7.0632

Details

The XYZ color **31.0102, 32.7871, 31.8883** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.7731, 30.0741, 36.6365**, and the grayscale version is **31.1167, 32.7372, 35.6508**.

A 20% lighter version of the original color is **60.6664, 63.9172, 63.7834**, and **13.1250, 13.8710, 13.0519** is the 20% darker color. If you saturate the color by 10%, you get **29.2194, 31.0381, 25.6409**, and if you desaturate by 10%, it is **32.9942, 34.6498, 39.0390**.

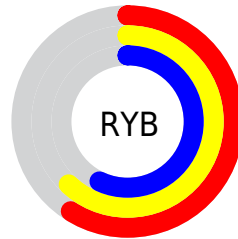
Distribution



Red (62%)

Green (61%)

Blue (57%)



Red (59%)

Yellow (62%)

Blue (57%)

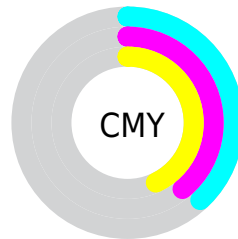


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (38%)



Cyan (38%)

Magenta (39%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0102, 32.7871, 31.8883 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 31.0102, 32.7871, 31.8883 by changing the saturation by 10% instead.

■ 31.0102, 32.7871,
31.8883

■ 31.0102, 32.7871,
31.8883

298.4113,
314.6893, 325.0871

■ 20.7585, 21.9634,
21.0121

■ 60.6319, 64.0430,
63.7318

■ 13.0590, 13.8300,
12.9415

■ 80.7325, 85.2440,
85.5362

■ 7.5465, 8.0025,
7.2580

104.8469,
110.6729, 111.8204

■ 3.8555, 4.0966,
3.5431

133.3402,
140.7140, 143.0029

■ 1.6207, 1.7277,
1.3782

166.5780,
175.7518, 179.5023

■ 0.4059, 0.4415,
0.1246

204.9256,

■ 0.0000, 0.0000,

216.1707, 221.7371

0.0000

248.7482,
262.3551, 270.1259

■ 31.0102, 32.7871,
31.8883

■ 31.0102, 32.7871,
31.8883

■ 29.2194, 31.0381,
25.6409

■ 32.9942, 34.6498,
39.0390

■ 27.6120, 29.3954,
20.2581

■ 35.1754, 36.6250,
47.1254

■ 26.1812, 27.8571,
15.7017

■ 37.5610, 38.7170,
56.1807

■ 24.9188, 26.4195,
11.9295

■ 40.1572, 40.9285,
66.2360

■ 23.8160, 25.0788,
8.8958

■ 42.9698, 43.2621,
77.3210

■ 22.8630, 23.8307,
6.5500

■ 46.0044, 45.7204,
89.4641

■ 22.0488, 22.6704,
4.8352

■ 49.0072, 48.2023,
101.3287

■ 21.3605, 21.5924,
3.6853

■ 49.8305, 49.8487,
101.6032

■ 20.7767, 20.5879,
2.9879

■ 50.6767, 51.5412,
101.8852

Harmonies

Analogous

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



31.7244, 32.7871, 32.1772



31.0102, 32.7871, 31.8883



30.3471, 32.7871, 32.5884

Triad

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



31.0102, 32.7871, 31.8883



30.0570, 32.7871, 38.1096



32.4533, 32.7871, 37.3213

Complementary

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



31.0102, 32.7871, 31.8883



28.7731, 30.0741, 36.6365

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.



31.9937, 32.7871, 39.0028



31.0102, 32.7871, 31.8883



30.6086, 32.7871, 39.4701

Square

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



31.0102, 32.7871, 31.8883



29.8023, 32.7871, 36.1401



31.3166, 32.7871, 39.8030



32.5648, 32.7871, 35.2626

Rectangle

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



31.0102, 32.7871, 31.8883



30.0209, 32.7871, 33.5382



31.3166, 32.7871, 39.8030



32.3340, 32.7871, 37.9518

Sweetspot

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



31.0111, 32.7885, 31.8890



58.2724, 61.3958, 64.9169



29.8047, 29.9973, 32.6534



13.1472, 13.8507, 14.6706



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.



31.0111, 32.7885, 31.8890



55.7782, 59.0274, 56.0082



30.9331, 33.4980, 32.0301



7.0298, 7.4396, 7.0511



16.5649, 16.3655, 2.2858



0.3272, 0.3546, 0.0512

Inverse Universe

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



28.7731, 30.0741, 36.6365



50.9192, 53.1341, 66.3156



28.8453, 29.4165, 36.5057



6.4127, 6.6911, 8.3602



5.5636, 3.2186, 26.2353



0.1299, 0.1183, 0.4792

Previews

White Background



This preview shows how the XYZ color 31.0102, 32.7871, 31.8883 looks on a white background.

Color Contrast Check

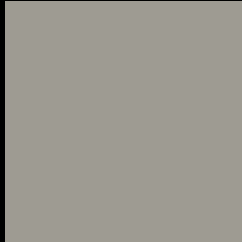
Large Text (above 18pt) WCAG AA × Fail

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 31.0102, 32.7871, 31.8883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

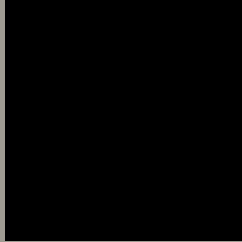
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0102, 32.7871, 31.8883

Background



This preview shows how black text looks on a background with the XYZ color 31.0102, 32.7871, 31.8883.



This preview shows how white text looks on a background with the XYZ color 31.0102, 32.7871, 31.8883.

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

31.0102, 32.7871, 31.8883

Protanopia

31.2411, 32.6601, 31.8516

Deuteranopia

33.4064, 32.8035, 32.1748



Tritanopia

32.6270, 32.7139, 39.7167

Trichromacy



Original Color

31.0102, 32.7871, 31.8883

Protanomaly

31.0420, 32.5575, 31.8423

Deuteranomaly

32.6431, 32.8879, 32.2313

Tritanomaly

31.9742, 32.6904, 36.5229

Monochromacy



Original Color

31.0102, 32.7871, 31.8883

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 31.0102, 32.7871, 31.8883 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(158, 155, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 155, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.0102, 32.7871, 31.8883 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, 146) }
```


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

```
.border{ border-color:rgb(158, 155, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 155, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 155, 146);  
box-shadow:4px 4px 4px 4px rgb(158, 155,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0102, 32.7871, 31.8883 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, 146) }
```

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

```
.background{ background-color: rgb(158,  
155, 146) }
```

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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