

Converting Colors

XYZ(31.1619, 31.8462, 20.7029)

Have a look what the booklet for
XYZ(31.1619, 31.8462, 20.7029)
contains.

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Color

**XYZ(31.2344, 31.9347,
20.7374)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9673
RGB	173, 150, 115
RGB Percent	68%, 59%, 45%
CMY	0.3216, 0.4117, 0.5490
CMYK	0.00, 0.13, 0.34, 0.32
HSL	36°, 26%, 56%
HSV	36°, 34%, 68%
XYZ	31.2344, 31.9347, 20.7374
YIQ	152.8870, 24.9430, -6.0090

Conversions

Conversions Part 2

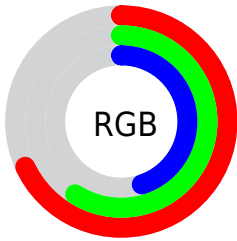
Format	Color
RYB	153, 173, 115
Decimal	11376243
CIELab	63.29, 3.28, 21.64
CIELCh	63, 21.882, 81.388
Yxy	31.9347, 0.3723, 0.3806
Android (android.graphics.Color)	4289566323 (0xFFAD9673)
YUV	152.8870, -18.6783, 17.6391
Hunter-Lab	56.5108, -0.2342, 17.8003

Details

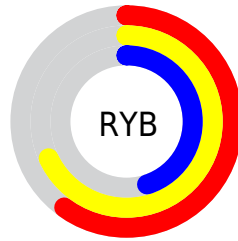
The XYZ color **31.2344, 31.9347, 20.7374** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.7012, 24.8381, 43.0802**, and the grayscale version is **30.3008, 31.8788, 34.7160**.

A 20% lighter version of the original color is **60.8810, 62.6338, 45.4400**, and **13.2207, 13.3220, 7.1848** is the 20% darker color. If you saturate the color by 10%, you get **29.2684, 29.4490, 15.6231**, and if you desaturate by 10%, it is **33.4530, 34.6262, 26.8584**.

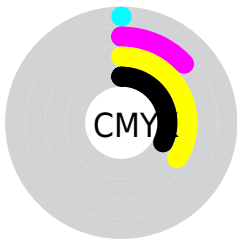
Distribution



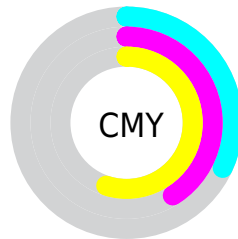
- Red (68%)
- Green (59%)
- Blue (45%)



- Red (60%)
- Yellow (68%)
- Blue (45%)



- Cyan (0%)
- Magenta (13%)
- Yellow (34%)
- Black (32%)



- Cyan (32%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2344, 31.9347, 20.7374 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 31.2344, 31.9347, 20.7374 by changing the saturation by 10% instead.

■ 31.2344, 31.9347,
20.7374

■ 31.2344, 31.9347,
20.7374

299.4244,
310.8217, 268.6147

■ 20.9301, 21.3116,
12.7428

■ 60.9823, 62.7087,
45.5252

■ 13.1851, 13.3520,
7.1230

■ 81.1565, 83.6284,
63.1555

■ 7.6340, 7.6714,
3.4596

■ 105.3515,
108.7492, 84.8347

■ 3.9115, 3.8854,
1.3338

133.9325,
138.4553, 110.9815

■ 1.6522, 1.6097,
0.0893

167.2650,
173.1312, 142.0144

■ 0.4261, 0.3641,
0.0000

205.7142,

■ 0.0000, 0.0000,

213.1613, 178.3518

0.0000

249.6456,
258.9300, 220.4124

■ 31.2344, 31.9347,
20.7374

■ 31.2344, 31.9347,
20.7374

■ 29.2684, 29.4490,
15.6231

■ 33.4530, 34.6262,
26.8584

■ 27.5409, 27.1584,
11.4579

■ 35.9324, 37.5252,
34.0353

■ 26.0402, 25.0575,
8.1816

■ 38.6836, 40.6387,
42.3166

■ 24.7523, 23.1388,
5.7259

■ 41.7158, 43.9722,
51.7469

■ 23.6611, 21.3942,
4.0127

■ 45.0382, 47.5308,
62.3686

■ 22.7477, 19.8140,
2.9483

■ 48.6592, 51.3194,
74.2218

■ 22.2251, 18.8673,
2.4704

■ 52.5870, 55.3429,
87.3447

■ 56.8293, 59.6059,
101.7739

■ 58.7614, 63.0598,
103.6824

Harmonies

Analogous

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



34.1386, 31.9347, 23.2882



31.2344, 31.9347, 20.7374



28.2761, 31.9347, 21.4262

Triad

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



31.2344, 31.9347, 20.7374



25.2415, 31.9347, 41.2230



35.1403, 31.9347, 46.2667

Complementary

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



31.2344, 31.9347, 20.7374



23.7012, 24.8381, 43.0802

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.



32.5292, 31.9347, 52.7511



31.2344, 31.9347, 20.7374



26.8581, 31.9347, 49.5184

Square

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



31.2344, 31.9347, 20.7374



24.9457, 31.9347, 32.3306



29.4883, 31.9347, 54.0310



36.4900, 31.9347, 37.3322

Rectangle

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



31.2344, 31.9347, 20.7374



26.6592, 31.9347, 23.6885



29.4883, 31.9347, 54.0310



34.3731, 31.9347, 48.8631

Sweetspot

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



31.2352, 31.9362, 20.7381



65.9492, 69.0311, 65.7007



27.9665, 22.9868, 27.0839



14.1904, 14.8403, 13.8549



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2352, 31.9362, 20.7381



53.3696, 53.9646, 30.3923



34.0168, 39.3623, 22.0248



8.3921, 8.7891, 8.4675



16.3846, 13.9746, 1.8338



0.5072, 0.4916, 0.0682

Inverse Universe

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



23.7012, 24.8381, 43.0802



37.8603, 39.3598, 76.4075



21.5310, 19.3295, 42.1313



7.8297, 8.2588, 10.1341



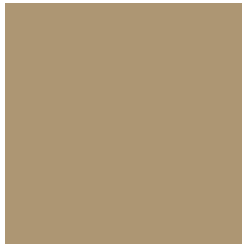
7.1390, 5.4118, 29.7128



0.2529, 0.2592, 0.8447

Previews

White Background



This preview shows how the XYZ color 31.2344, 31.9347, 20.7374 looks on a white background.

Color Contrast Check

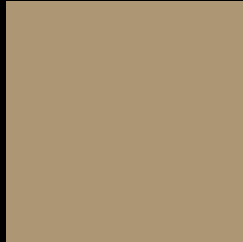
Large Text (above 18pt) WCAG AA × Fail

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 31.2344, 31.9347, 20.7374 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 31.2344, 31.9347, 20.7374

Background



This preview shows how black text looks on a background with the XYZ color 31.2344, 31.9347, 20.7374.



This preview shows how white text looks on a background with the XYZ color 31.2344, 31.9347,

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

31.2344, 31.9347, 20.7374

Protanopia

29.8535, 31.9359, 21.1138

Deuteranopia

32.6422, 31.9521, 20.9700



Tritanopia

34.4862, 32.1161, 35.8339

Trichromacy



Original Color

31.2344, 31.9347, 20.7374

Protanomaly

30.3170, 31.9329, 21.0888

Deuteranomaly

32.1024, 31.9057, 20.9894

Tritanomaly

33.1459, 32.0206, 29.6329

Monochromacy



Original Color

31.2344, 31.9347, 20.7374

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3856, 31.7941, 28.9615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2344, 31.9347, 20.7374 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(173, 150, 115)` looks like.

```
.text, #text, p{  
    color:rgb(173, 150, 115)  
}
```

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(173, 150, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 150, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.2344, 31.9347, 20.7374 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(173, 150, 115) }
```


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

```
.border{ border-color:rgb(173, 150, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 150, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 150, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 150, 115);  
box-shadow:4px 4px 4px 4px rgb(173, 150,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2344, 31.9347, 20.7374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 150, 115) }
```

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

```
.background{ background-color: rgb(173,  
150, 115) }
```

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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