

Converting Colors

XYZ(31.1950, 31.4560, 19.6992)

Have a look what the booklet for
XYZ(31.1950, 31.4560, 19.6992)
contains.

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Color

**XYZ(31.1937, 31.4636,
19.7582)**

Conversions

Conversions Part 1

Format	Color
Hex	AF9470
RGB	175, 148, 112
RGB Percent	69%, 58%, 44%
CMY	0.3137, 0.4196, 0.5608
CMYK	0.00, 0.15, 0.36, 0.31
HSL	34°, 28%, 56%
HSV	34°, 36%, 69%
XYZ	31.1937, 31.4636, 19.7582
YIQ	151.9690, 27.6480, -5.4720

Conversions

Conversions Part 2

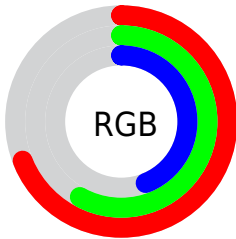
Format	Color
RYB	159, 175, 112
Decimal	11506800
CIELab	62.90, 4.82, 22.80
CIElCh	63, 23.303, 78.074
Yxy	31.4636, 0.3785, 0.3818
Android (android.graphics.Color)	4289696880 (0xFFAF9470)
YUV	151.9690, -19.7047, 20.1982
Hunter-Lab	56.0924, 1.1043, 18.3802

Details

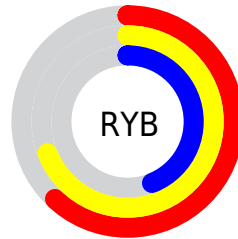
The XYZ color **31.1937, 31.4636, 19.7582** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.6523, 25.0043, 44.1371**, and the grayscale version is **29.9063, 31.4637, 34.2640**.

A 20% lighter version of the original color is **60.7764, 61.9103, 43.8686**, and **13.0853, 12.9845, 6.6671** is the 20% darker color. If you saturate the color by 10%, you get **29.1743, 28.8354, 14.7361**, and if you desaturate by 10%, it is **33.4803, 34.3229, 25.8044**.

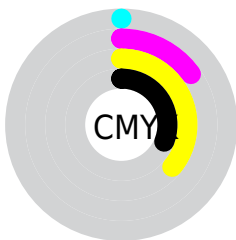
Distribution



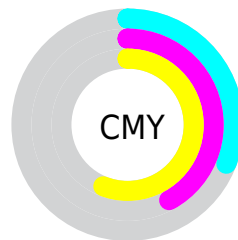
- Red (69%)
- Green (58%)
- Blue (44%)



- Red (62%)
- Yellow (69%)
- Blue (44%)



- Cyan (0%)
- Magenta (15%)
- Yellow (36%)
- Black (31%)



- Cyan (31%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1937, 31.4636, 19.7582 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 31.1937, 31.4636, 19.7582 by changing the saturation by 10% instead.

■ 31.1937, 31.4636,
19.7582

■ 31.1937, 31.4636,
19.7582

299.2407,
308.6685, 263.1639

■ 20.8989, 20.9521,
12.0371

■ 60.9187, 61.9692,
43.8650

■ 13.1622, 13.0890,
6.6461

■ 81.0796, 82.7322,
61.0878

■ 7.6181, 7.4899,
3.1667

■ 105.2600,
107.6811, 82.3149

■ 3.9013, 3.7703,
1.1804

■ 133.8251,
137.2003, 107.9649

■ 1.6464, 1.5459,
0.0000

167.1404,
171.6742, 138.4562

■ 0.4224, 0.3207,
0.0000

205.5712,

■ 0.0000, 0.0000,

211.4873, 174.2075

0.0000

249.4828,
257.0239, 215.6372

■ 31.1937, 31.4636,
19.7582

■ 31.1937, 31.4636,
19.7582

■ 29.1743, 28.8354,
14.7361

■ 33.4803, 34.3229,
25.8044

■ 27.4072, 26.4267,
10.6778

■ 36.0433, 37.4158,
32.9266

■ 25.8797, 24.2311,
7.5192

■ 38.8943, 40.7502,
41.1754

■ 24.5766, 22.2401,
5.1881

■ 42.0432, 44.3322,
50.5977

■ 23.4804, 20.4443,
3.6003

■ 45.4998, 48.1679,
61.2377

■ 22.5689, 18.8320,
2.6465

■ 49.2732, 52.2627,
73.1372

■ 22.2374, 18.2304,
2.3468

■ 53.3721, 56.6223,
86.3362

■ 57.8049, 61.2519,
100.8726

■ 60.1557, 65.1871,
104.0196

Harmonies

Analogous

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



34.2038, 31.4636, 22.7579



31.1937, 31.4636, 19.7582



28.0382, 31.4636, 20.0987

Triad

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



31.1937, 31.4636, 19.7582



24.4334, 31.4636, 40.0162



34.7162, 31.4636, 47.4205

Complementary

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



31.1937, 31.4636, 19.7582



23.6523, 25.0043, 44.1371

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.



31.8533, 31.4636, 53.8699



31.1937, 31.4636, 19.7582



25.9827, 31.4636, 49.0982

Square

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



31.1937, 31.4636, 19.7582



24.2845, 31.4636, 30.7474



28.6527, 31.4636, 54.5335



36.3324, 31.4636, 38.0272

Rectangle

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



31.1937, 31.4636, 19.7582



26.2721, 31.4636, 22.1836



28.6527, 31.4636, 54.5335



33.8588, 31.4636, 50.0717

Sweetspot

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



31.1945, 31.4651, 19.7588



66.9423, 69.8276, 65.8179



28.1557, 22.5755, 27.4150



14.7299, 15.3455, 14.1998



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.1945, 31.4651, 19.7588



53.0260, 52.6708, 28.2668



35.0057, 40.4653, 21.2952



8.3708, 8.7465, 8.4604



15.9869, 13.1793, 1.7013



0.4976, 0.4724, 0.0650

Inverse Universe

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



23.6523, 25.0043, 44.1371



37.5632, 39.4322, 78.2683



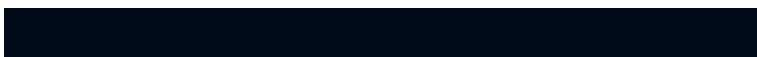
20.7614, 18.4106, 43.0168



7.8505, 8.3004, 10.1411



7.4013, 5.9364, 29.8003



0.2609, 0.2751, 0.8473

Previews

White Background



This preview shows how the XYZ color 31.1937, 31.4636, 19.7582 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 31.1937, 31.4636, 19.7582 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 31.1937, 31.4636, 19.7582

Background



This preview shows how black text looks on a background with the XYZ color 31.1937, 31.4636, 19.7582.



This preview shows how white text looks on a background with the XYZ color 31.1937, 31.4636,

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

31.1937, 31.4636, 19.7582

Protanopia

29.3698, 31.4579, 20.4436

Deuteranopia

32.0259, 31.4309, 19.7081



Tritanopia

34.0961, 31.2628, 34.8091

Trichromacy



Original Color

31.1937, 31.4636, 19.7582

Protanomaly

29.9836, 31.5410, 20.1305

Deuteranomaly

31.7184, 31.5023, 19.7380

Tritanomaly

32.9936, 31.2756, 28.7239

Monochromacy



Original Color

31.1937, 31.4636, 19.7582

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0792, 31.4129, 28.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1937, 31.4636, 19.7582 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(175, 148, 112)` looks like.

```
.text, #text, p{  
    color:rgb(175, 148, 112)  
}
```

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(175, 148, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 148, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.1937, 31.4636, 19.7582 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(175, 148, 112) }
```


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

```
.border{ border-color:rgb(175, 148, 112) }
```

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

Here you see how a box with a 4 pixel rgb(175, 148, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 148, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 148, 112);  
box-shadow:4px 4px 4px 4px rgb(175, 148,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1937, 31.4636, 19.7582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 148, 112) }
```

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

```
.background{ background-color: rgb(175,  
148, 112) }
```

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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