

Converting Colors

XYZ(31.6630, 36.4807, 24.6825)

Have a look what the booklet for
XYZ(31.6630, 36.4807, 24.6825)
contains.

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Color

**XYZ(31.6209, 36.3872,
24.7589)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA77D
RGB	158, 167, 125
RGB Percent	62%, 65%, 49%
CMY	0.3804, 0.3451, 0.5098
CMYK	0.05, 0.00, 0.25, 0.35
HSL	73°, 19%, 57%
HSV	73°, 25%, 65%
XYZ	31.6209, 36.3872, 24.7589
YIQ	159.5210, 8.1180, -14.9700

Conversions

Conversions Part 2

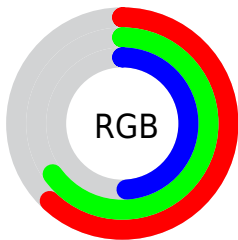
Format	Color
RYB	125, 167, 134
Decimal	10397565
CIELab	66.81, -10.50, 20.71
CIELCh	67, 23.222, 116.892
Yxy	36.3872, 0.3409, 0.3922
Android (android.graphics.Color)	4288587645 (0xFF9EA77D)
YUV	159.5210, -17.0189, -1.3339
Hunter-Lab	60.3218, -11.9928, 17.8899

Details

The XYZ color **31.6209, 36.3872, 24.7589** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.1417, 22.5266, 39.6369**, and the grayscale version is **33.2672, 34.9996, 38.1146**.

A 20% lighter version of the original color is **61.5977, 69.6030, 52.3077**, and **13.3791, 15.8474, 9.1912** is the 20% darker color. If you saturate the color by 10%, you get **29.9488, 35.6394, 19.5722**, and if you desaturate by 10%, it is **33.4948, 37.2205, 30.8930**.

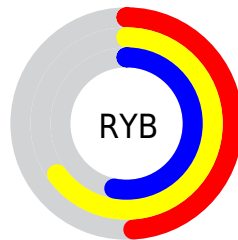
Distribution



Red (62%)

Green (65%)

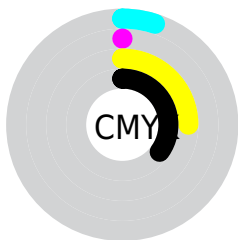
Blue (49%)



Red (49%)

Yellow (65%)

Blue (53%)

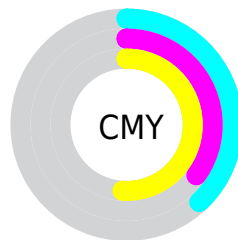


Cyan (5%)

Magenta (0%)

Yellow (25%)

Black (35%)



Cyan (38%)

Magenta (35%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6209, 36.3872, 24.7589 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 31.6209, 36.3872, 24.7589 by changing the saturation by 10% instead.

■ 31.6209, 36.3872,
24.7589

■ 31.6209, 36.3872,
24.7589

301.1648,
330.6498, 290.0443

■ 21.2262, 24.7334,
15.6801

■ 61.5855, 69.6293,
52.2251

■ 13.4029, 15.8785,
9.1462

■ 81.8862, 91.9863,
71.4496

■ 7.7855, 9.4382,
4.7386

■ 106.2196,
118.6799, 94.8931

■ 4.0086, 5.0281,
2.0387

134.9511,
150.0945, 122.9741

■ 1.7070, 2.2638,
0.5789

168.4459,
186.6143, 156.1112

■ 0.4607, 0.7544,
0.0000

207.0696,

■ 0.0000, 0.0000,

228.6239, 194.7229

0.0000

251.1874,
276.5076, 239.2277

■ 31.6209, 36.3872,
24.7589

■ 31.6209, 36.3872,
24.7589

■ 29.9488, 35.6394,
19.5722

■ 33.4948, 37.2205,
30.8930

■ 28.4667, 34.9687,
15.2832

■ 35.5762, 38.1380,
38.0160

■ 27.1654, 34.3727,
11.8416

■ 37.8740, 39.1445,
46.1699

■ 26.0341, 33.8470,
9.1907

■ 40.3958, 40.2430,
55.3936

■ 25.0605, 33.3867,
7.2673

■ 43.1488, 41.4364,
65.7238

■ 24.2308, 32.9862,
5.9983

■ 46.1397, 42.7275,
77.1957

■ 23.5272, 32.6384,
5.2924

■ 49.3751, 44.1188,
89.8427

■ 23.2111, 32.4805,
5.0460

■ 52.2752, 45.3785,
100.6115

■ 53.1599, 45.8346,
100.6529

Harmonies

Analogous

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



34.9522, 36.3872, 23.2821



31.6209, 36.3872, 24.7589



29.2335, 36.3872, 29.9709

Triad

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



31.6209, 36.3872, 24.7589



31.0276, 36.3872, 58.1179



41.7721, 36.3872, 40.6768

Complementary

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



31.6209, 36.3872, 24.7589



24.1417, 22.5266, 39.6369

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.



40.5525, 36.3872, 51.1441



31.6209, 36.3872, 24.7589



34.2203, 36.3872, 62.2262

Square

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



31.6209, 36.3872, 24.7589



28.9076, 36.3872, 49.0220



37.7287, 36.3872, 59.4815



40.9608, 36.3872, 31.5034

Rectangle

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



31.6209, 36.3872, 24.7589



28.4188, 36.3872, 35.3952



37.7287, 36.3872, 59.4815



41.5842, 36.3872, 44.1671

Sweetspot

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



31.6218, 36.3888, 24.7597



62.5550, 67.7906, 64.0706



28.0817, 26.5821, 23.0534



13.8748, 15.1157, 13.9119



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6218, 36.3888, 24.7597



54.9705, 64.4248, 39.1258



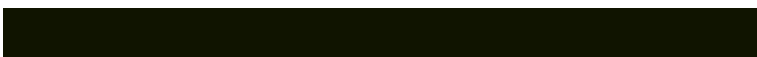
27.9368, 34.4891, 24.5872



7.9871, 8.6915, 8.0459



17.8026, 24.8748, 3.8630



0.4714, 0.6249, 0.0958

Inverse Universe

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



24.1417, 22.5266, 39.6369



39.3312, 35.4348, 70.2419



27.7126, 24.3675, 39.8041



7.2766, 7.3752, 9.4584



5.9239, 2.4373, 28.1337



0.1846, 0.0802, 0.6864

Previews

White Background



This preview shows how the XYZ color 31.6209, 36.3872, 24.7589 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 31.6209, 36.3872, 24.7589 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

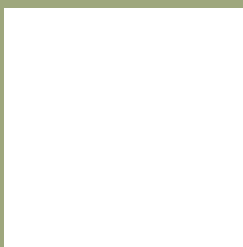
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6209, 36.3872, 24.7589

Background



This preview shows how black text looks on a background with the XYZ color 31.6209, 36.3872, 24.7589.



This preview shows how white text looks on a background with the XYZ color 31.6209, 36.3872,

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

31.6209, 36.3872, 24.7589

Protanopia

33.9510, 36.2694, 23.9502

Deuteranopia

36.9544, 36.2564, 25.1291



Tritanopia

35.8047, 36.5062, 44.6945

Trichromacy



Original Color

31.6209, 36.3872, 24.7589

Protanomaly

33.0620, 36.3310, 24.3388

Deuteranomaly

34.6968, 36.1129, 24.8804

Tritanomaly

33.9982, 36.2761, 36.6626

Monochromacy



Original Color

31.6209, 36.3872, 24.7589

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6617, 35.6719, 32.7677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6209, 36.3872, 24.7589 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, 167, 125)` looks like.

```
.text, #text, p{  
    color:rgb(158, 167, 125)  
}
```

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, 167, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.6209, 36.3872, 24.7589 is called "border". The border property can be set on classes, ids or directly on the HTML element.

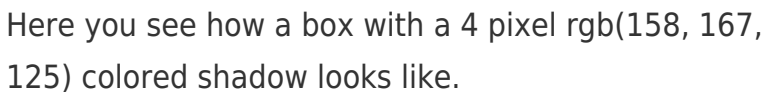
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 167, 125) }
```


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

```
.border{ border-color:rgb(158, 167, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 167, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 167, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 167, 125); box-shadow:4px 4px 4px 4px rgb(158, 167, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6209, 36.3872, 24.7589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 125) }
```

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

```
.background{ background-color: rgb(158,  
167, 125) }
```

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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