

Converting Colors

XYZ(32.1271, 31.3394, 8.9134)

Have a look what the booklet for
XYZ(32.1271, 31.3394, 8.9134)
contains.

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Color

**XYZ(32.0780, 31.2415,
8.8969)**

Conversions

Conversions Part 1

Format	Color
Hex	BE903E
RGB	190, 144, 62
RGB Percent	75%, 56%, 24%
CMY	0.2549, 0.4353, 0.7569
CMYK	0.00, 0.24, 0.67, 0.25
HSL	38°, 51%, 49%
HSV	38°, 67%, 75%
XYZ	32.0780, 31.2415, 8.8969
YIQ	148.4060, 53.7380, -15.7500

Conversions

Conversions Part 2

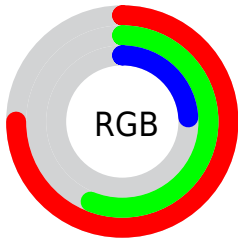
Format	Color
RYB	134, 190, 62
Decimal	12488766
CIELab	62.71, 8.85, 48.92
CIELCh	63, 49.715, 79.750
Yxy	31.2415, 0.4442, 0.4326
Android (android.graphics.Color)	4290678846 (0xFFBE903E)
YUV	148.4060, -42.5982, 36.4779
Hunter-Lab	55.8941, 4.6277, 29.6884

Details

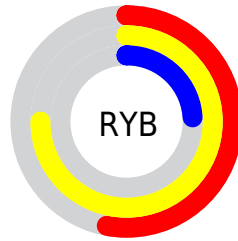
The XYZ color **32.0780, 31.2415, 8.8969** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.6432, 15.4663, 50.8231**, and the grayscale version is **28.4756, 29.9586, 32.6249**.

A 20% lighter version of the original color is **62.2416, 61.7202, 24.2555**, and **13.7084, 13.0051, 1.9600** is the 20% darker color. If you saturate the color by 10%, you get **30.6422, 29.0635, 6.2805**, and if you desaturate by 10%, it is **33.7601, 33.6206, 12.4951**.

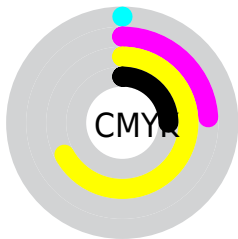
Distribution



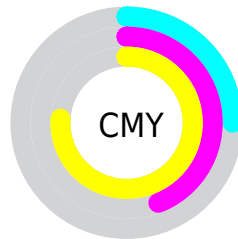
- Red (75%)
- Green (56%)
- Blue (24%)



- Red (53%)
- Yellow (75%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (67%)
- Black (25%)





- Cyan (25%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0780, 31.2415, 8.8969 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 32.0780, 31.2415, 8.8969 by changing the saturation by 10% instead.


 32.0780, 31.2415,
8.8969


 32.0780, 31.2415,
8.8969


303.2134,
307.6494, 192.7966


 21.5769, 20.7828,
4.5781


 62.2977, 61.6201,
24.2734


 13.6612, 12.9653,
1.9475


 82.7471, 82.3088,
36.1682

 7.9655, 7.4047,
0.5227

 107.2432,
107.1763, 51.4254

 4.1245, 3.7165,
0.0000

 136.1515,
136.6069, 70.4636

 1.7728, 1.5162,
0.0000

 169.8373,
170.9852, 93.7012

 0.5012, 0.3001,
0.0000

208.6660,

 0.0000, 0.0000,

210.6954, 121.5569

0.0000

253.0029,
256.1220, 154.4492

■ 32.0780, 31.2415,
8.8969

■ 32.0780, 31.2415,
8.8969

■ 30.6422, 29.0635,
6.2805

■ 33.7601, 33.6206,
12.4951

■ 29.4293, 27.0717,
4.5385

■ 35.7044, 36.2051,
17.1636

■ 28.4105, 25.2541,
3.5208

■ 37.9279, 39.0048,
22.9831

■ 28.1610, 24.7989,
3.3024

■ 40.4452, 42.0271,
30.0258

■ 43.2698, 45.2789,
38.3583

■ 46.4144, 48.7670,
48.0419

■ 49.8908, 52.4975,
59.1344

■ 53.7101, 56.4765,
71.6898

■ 57.8829, 60.7096,
85.7595

Harmonies

Analogous

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



38.9521, 31.2415, 12.7179



32.0780, 31.2415, 8.8969



25.4979, 31.2415, 9.5685

Triad

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



32.0780, 31.2415, 8.8969



19.0249, 31.2415, 48.2778



40.8128, 31.2415, 64.3402

Complementary

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



32.0780, 31.2415, 8.8969



16.6432, 15.4663, 50.8231

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.



34.3271, 31.2415, 82.7276



32.0780, 31.2415, 8.8969



22.0332, 31.2415, 71.2710

Square

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



32.0780, 31.2415, 8.8969



18.6121, 31.2415, 27.7886



27.4313, 31.2415, 85.6596



44.4806, 31.2415, 41.1121

Rectangle

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



32.0780, 31.2415, 8.8969



22.1048, 31.2415, 12.6094



27.4313, 31.2415, 85.6596



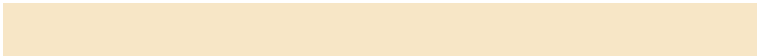
38.8476, 31.2415, 71.6149

Sweetspot

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



32.0787, 31.2430, 8.8975



76.8388, 80.2661, 64.7966



25.7146, 15.4953, 16.0851



16.5510, 17.2557, 13.2758



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.0787, 31.2430, 8.8975



54.3936, 50.8415, 9.6355



36.5018, 46.0512, 11.5227



10.0260, 10.5280, 10.0803



18.8020, 16.6428, 2.2214



0.7963, 0.7716, 0.1070

Inverse Universe

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



16.6432, 15.4663, 50.8231



24.6105, 20.5328, 90.9452



14.2471, 8.8284, 49.6681



9.2896, 9.7715, 12.0687



7.6340, 5.3797, 33.0289



0.3617, 0.3361, 1.3147

Previews

White Background



This preview shows how the XYZ color 32.0780, 31.2415, 8.8969 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 32.0780, 31.2415, 8.8969 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 32.0780, 31.2415, 8.8969

Background



This preview shows how black text looks on a background with the XYZ color 32.0780, 31.2415, 8.8969.



This preview shows how white text looks on a background with the XYZ color 32.0780, 31.2415,

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

32.0780, 31.2415, 8.8969

Protanopia

28.5158, 31.2617, 9.3816

Deuteranopia

31.8290, 31.1131, 8.8853



Tritanopia

36.6172, 31.1390, 31.2746

Trichromacy



Original Color

32.0780, 31.2415, 8.8969

Protanomaly

29.7761, 31.2009, 9.1556

Deuteranomaly

31.8290, 31.1131, 8.8853

Tritanomaly

34.4311, 30.8841, 20.3662

Monochromacy



Original Color

32.0780, 31.2415, 8.8969

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7489, 29.9383, 21.0931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0780, 31.2415, 8.8969 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(190, 144, 62)` looks like.

```
.text, #text, p{  
    color:rgb(190, 144, 62)  
}
```

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(190, 144, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 144, 62) }
```

Border

The CSS property to change the border of an element to XYZ 32.0780, 31.2415, 8.8969 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(190, 144, 62) }
```


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

```
.border{ border-color:rgb(190, 144, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 144, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 144, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 144, 62);  
box-shadow:4px 4px 4px 4px rgb(190, 144,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0780, 31.2415, 8.8969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 144, 62) }
```

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

```
.background{ background-color: rgb(190,  
144, 62) }
```

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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