

Converting Colors

XYZ(32.1915, 31.2517, 10.8141)

Have a look what the booklet for
XYZ(32.1915, 31.2517, 10.8141)
contains.

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Color

**XYZ(32.1956, 31.2597,
10.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	BD904A
RGB	189, 144, 74
RGB Percent	74%, 56%, 29%
CMY	0.2588, 0.4353, 0.7098
CMYK	0.00, 0.24, 0.61, 0.26
HSL	37°, 47%, 52%
HSV	37°, 61%, 74%
XYZ	32.1956, 31.2597, 10.8154
YIQ	149.4750, 49.2900, -12.2300

Conversions

Conversions Part 2

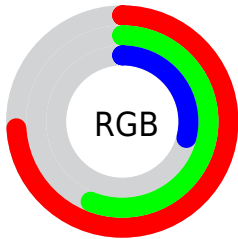
Format	Color
RYB	148, 189, 74
Decimal	12423242
CIELab	62.73, 9.21, 43.11
CIELCh	63, 44.083, 77.947
Yxy	31.2597, 0.4335, 0.4209
Android (android.graphics.Color)	4290613322 (0xFFBD904A)
YUV	149.4750, -37.2092, 34.6634
Hunter-Lab	55.9104, 4.9448, 27.6681

Details

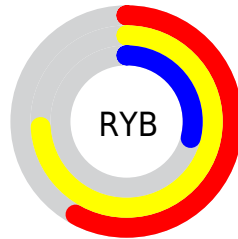
The XYZ color **32.1956, 31.2597, 10.8154** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.6060, 18.3230, 50.7001**, and the grayscale version is **28.9056, 30.4109, 33.1175**.

A 20% lighter version of the original color is **62.6072, 61.8253, 28.0358**, and **13.6939, 12.9811, 2.7036** is the 20% darker color. If you saturate the color by 10%, you get **30.5686, 28.8762, 7.5898**, and if you desaturate by 10%, it is **34.0888, 33.8695, 15.0740**.

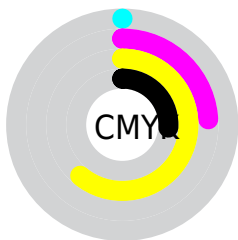
Distribution



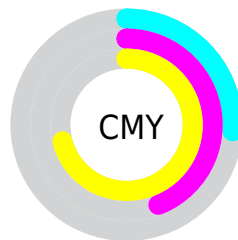
- Red (74%)
- Green (56%)
- Blue (29%)



- Red (58%)
- Yellow (74%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (61%)
- Black (26%)





- Cyan (26%)
- Magenta (44%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1956, 31.2597, 10.8154 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 32.1956, 31.2597, 10.8154 by changing the saturation by 10% instead.


 32.1956, 31.2597,
10.8154


 32.1956, 31.2597,
10.8154


303.7388,
307.7330, 207.0884

 21.6672, 20.7967,
5.8302


 62.4807, 61.6487,
27.9497

 13.7278, 12.9755,
2.6750


 82.9682, 82.3435,
40.9359


 8.0120, 7.4117,
0.9308


 107.5060,
107.2177, 57.4263

 4.1545, 3.7209,
0.0000

 136.4597,
136.6556, 77.8393

 1.7899, 1.5187,
0.0000

 170.1944,
171.0417, 102.5934

 0.5116, 0.3018,
0.0000

209.0756,

 0.0000, 0.0000,

210.7604, 132.1073

0.0000

253.4686,
256.1960, 166.7995

■ 32.1956, 31.2597,
10.8154

■ 32.1956, 31.2597,
10.8154

■ 30.5686, 28.8762,
7.5898

■ 34.0888, 33.8695,
15.0740

■ 29.1864, 26.7046,
5.3015

■ 36.2627, 36.7100,
20.4460

■ 28.0272, 24.7351,
3.8399

■ 38.7335, 39.7909,
27.0059

■ 27.1227, 23.0917,
3.0276

■ 41.5152, 43.1199,
34.8213

■ 44.6208, 46.7042,
43.9545

■ 48.0624, 50.5507,
54.4637

■ 51.8516, 54.6658,
66.4037

■ 55.9993, 59.0558,
79.8261

■ 60.5159, 63.7267,
94.7801

Harmonies

Analogous

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



38.1619, 31.2597, 14.8736



32.1956, 31.2597, 10.8154



26.2844, 31.2597, 11.2315

Triad

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



32.1956, 31.2597, 10.8154



20.0009, 31.2597, 45.3115



39.1653, 31.2597, 61.4317

Complementary

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



32.1956, 31.2597, 10.8154



18.6060, 18.3230, 50.7001

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.



33.4241, 31.2597, 76.3365



32.1956, 31.2597, 10.8154



22.6107, 31.2597, 65.0753

Square

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



32.1956, 31.2597, 10.8154



19.7652, 31.2597, 27.5705



27.3584, 31.2597, 77.8584



42.5349, 31.2597, 41.4417

Rectangle

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



32.1956, 31.2597, 10.8154



23.1447, 31.2597, 14.0112



27.3584, 31.2597, 77.8584



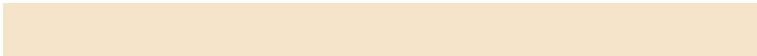
37.4158, 31.2597, 67.4569

Sweetspot

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



32.1963, 31.2612, 10.8160



75.7203, 78.8257, 66.3196



26.8254, 17.0727, 19.6512



15.9491, 16.5600, 13.2951



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.1963, 31.2612, 10.8160



53.8790, 50.3837, 12.0544



37.6793, 46.2956, 13.4289



10.0003, 10.4766, 10.0718



18.3251, 15.6889, 2.0624



0.7797, 0.7384, 0.1014

Inverse Universe

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



18.6060, 18.3230, 50.7001



27.5107, 25.3552, 89.6703



15.4263, 10.5268, 49.3629



9.3145, 9.8212, 12.0770



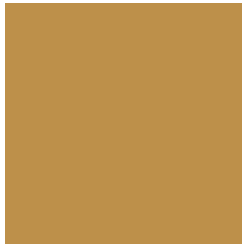
7.8952, 5.9021, 33.1160



0.3732, 0.3591, 1.3185

Previews

White Background



This preview shows how the XYZ color 32.1956, 31.2597, 10.8154 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 32.1956, 31.2597, 10.8154 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 32.1956, 31.2597, 10.8154

Background



This preview shows how black text looks on a background with the XYZ color 32.1956, 31.2597, 10.8154.



This preview shows how white text looks on a background with the XYZ color 32.1956, 31.2597,

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

32.1956, 31.2597, 10.8154

Protanopia

28.7162, 31.3171, 11.5525

Deuteranopia

31.8549, 31.3100, 10.8431



Tritanopia

36.4981, 31.2857, 31.3092

Trichromacy



Original Color

32.1956, 31.2597, 10.8154

Protanomaly

29.9564, 31.2468, 11.2898

Deuteranomaly

32.1005, 31.4366, 10.8546

Tritanomaly

34.6151, 31.1588, 21.9591

Monochromacy



Original Color

32.1956, 31.2597, 10.8154

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.2564, 30.1651, 22.6928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1956, 31.2597, 10.8154 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(189, 144, 74)` looks like.

```
.text, #text, p{  
    color:rgb(189, 144, 74)  
}
```

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(189, 144, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 144, 74) }
```

Border

The CSS property to change the border of an element to XYZ 32.1956, 31.2597, 10.8154 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(189, 144, 74) }
```


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

```
.border{ border-color:rgb(189, 144, 74) }
```

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

Here you see how a box with a 4 pixel rgb(189, 144, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 144, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 144, 74);  
box-shadow:4px 4px 4px 4px rgb(189, 144,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1956, 31.2597, 10.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 144, 74) }
```

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

```
.background{ background-color: rgb(189,  
144, 74) }
```

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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