

Converting Colors

XYZ(31.5352, 30.9956, 7.3383)

Have a look what the booklet for
XYZ(31.5352, 30.9956, 7.3383)
contains.

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Color

**XYZ(31.5352, 30.9956,
7.3383)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9032
RGB	189, 144, 50
RGB Percent	74%, 56%, 20%
CMY	0.2588, 0.4353, 0.8039
CMYK	0.00, 0.24, 0.74, 0.26
HSL	41°, 58%, 47%
HSV	41°, 74%, 74%
XYZ	31.5352, 30.9956, 7.3383
YIQ	146.7390, 56.9940, -19.6940

Conversions

Conversions Part 2

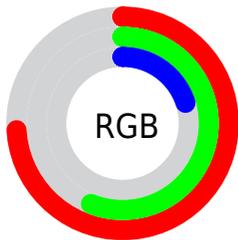
Format	Color
RYB	117, 189, 50
Decimal	12423218
CIELab	62.50, 7.76, 53.96
CIElCh	63, 54.517, 81.812
Yxy	30.9956, 0.4513, 0.4436
Android (android.graphics.Color)	4290613298 (0xFFBD9032)
YUV	146.7390, -47.6923, 37.0629
Hunter-Lab	55.6737, 3.6786, 31.1566

Details

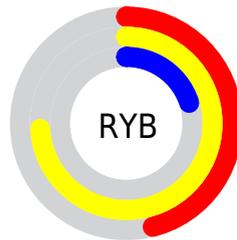
The XYZ color **31.5352, 30.9956, 7.3383** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.5927, 12.5362, 49.7943**, and the grayscale version is **27.8003, 29.2481, 31.8512**.

A 20% lighter version of the original color is **61.6593, 61.4872, 21.1888**, and **13.3628, 12.8307, 1.7723** is the 20% darker color. If you saturate the color by 10%, you get **30.3071, 29.0628, 5.3158**, and if you desaturate by 10%, it is **32.9833, 33.0992, 10.2649**.

Distribution



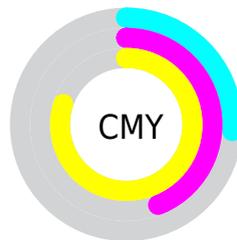
- Red (74%)
- Green (56%)
- Blue (20%)



- Red (46%)
- Yellow (74%)
- Blue (20%)



- Cyan (0%)
- Magenta (24%)
- Yellow (74%)
- Black (26%)



- Cyan (26%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5352, 30.9956, 7.3383 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 31.5352, 30.9956, 7.3383 by changing the saturation by 10% instead.

 31.5352, 30.9956,
7.3383

 31.5352, 30.9956,
7.3383

300.7795,
306.5180, 180.1821

 21.1605, 20.5955,
3.5929

 61.4518, 61.2331,
21.1750

 13.3545, 12.8286,
1.4048

 81.7245, 81.8394,
32.1033

 7.7518, 7.3107,
0.1454

 106.0273,
106.6164, 46.2631

 3.9870, 3.6571,
0.0000

 134.7255,
135.9487, 64.0728

 1.6948, 1.4837,
0.0000

 168.1844,
170.2206, 85.9511

 0.4530, 0.2772,
0.0000

 206.7695,

 0.0000, 0.0000,

209.8166, 112.3163

0.0000

250.8461,
255.1209, 143.5871

■ 31.5352, 30.9956,
7.3383

■ 31.5352, 30.9956,
7.3383

■ 30.3071, 29.0628,
5.3158

■ 32.9833, 33.0992,
10.2649

■ 29.2737, 27.2857,
4.0782

■ 34.6684, 35.3780,
14.1912

■ 28.6816, 26.2098,
3.5473

■ 36.6080, 37.8415,
19.2028

■ 38.8173, 40.4967,
25.3753

■ 41.3100, 43.3504,
32.7777

■ 44.0988, 46.4089,
41.4734

■ 47.1955, 49.6778,
51.5215

■ 50.6114, 53.1629,
62.9774

■ 54.3569, 56.8694,
75.8933

Harmonies

Analogous

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



39.1696, 30.9956, 10.7728



31.5352, 30.9956, 7.3383



24.4800, 30.9956, 8.2814

Triad

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



31.5352, 30.9956, 7.3383



18.1194, 30.9956, 51.2821



42.1293, 30.9956, 65.7600

Complementary

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



31.5352, 30.9956, 7.3383



14.5927, 12.5362, 49.7943

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.



35.0742, 30.9956, 87.5315



31.5352, 30.9956, 7.3383



21.5049, 30.9956, 77.0194

Square

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



31.5352, 30.9956, 7.3383



17.4944, 30.9956, 28.2679



27.4786, 30.9956, 92.3437



45.9214, 30.9956, 39.8963

Rectangle

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



31.5352, 30.9956, 7.3383



20.9504, 30.9956, 11.5658



27.4786, 30.9956, 92.3437



40.0097, 30.9956, 74.1813

Sweetspot

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



31.5359, 30.9971, 7.3389



74.5537, 78.2745, 60.4370



24.2536, 13.9509, 12.5619



15.7579, 16.5249, 12.1610



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.



31.5359, 30.9971, 7.3389



53.1557, 50.1526, 8.0657



34.4642, 44.7141, 9.8322



10.0548, 10.5856, 10.0899



19.3698, 17.7784, 2.4107



0.8157, 0.8103, 0.1134

Inverse Universe

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



14.5927, 12.5362, 49.7943



21.4406, 15.7917, 88.1443



13.0865, 7.3787, 48.8782



9.2619, 9.7162, 12.0595



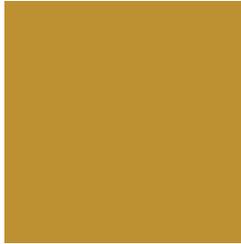
7.3718, 4.8553, 32.9415



0.3496, 0.3119, 1.3106

Previews

White Background



This preview shows how the XYZ color 31.5352, 30.9956, 7.3383 looks on a white background.

Color Contrast Check

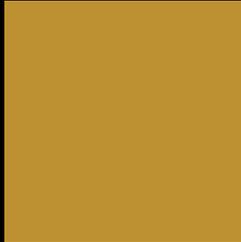
Large Text (above 18pt) WCAG AA × Fail

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 31.5352, 30.9956, 7.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

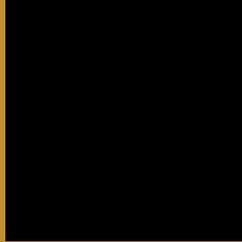
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5352, 30.9956, 7.3383

Background



This preview shows how black text looks on a background with the XYZ color 31.5352, 30.9956, 7.3383.



This preview shows how white text looks on a background with the XYZ color 31.5352, 30.9956,

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

31.5352, 30.9956, 7.3383

Protanopia

28.2103, 31.1394, 7.7725

Deuteranopia

31.5352, 30.9956, 7.3383



Tritanopia

36.2805, 30.9744, 30.8545

Trichromacy



Original Color

31.5352, 30.9956, 7.3383

Protanomaly

29.2495, 30.9640, 7.5670

Deuteranomaly

31.5352, 30.9956, 7.3383

Tritanomaly

33.8953, 30.6402, 18.8795

Monochromacy



Original Color

31.5352, 30.9956, 7.3383

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.1038, 29.4090, 19.5245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5352, 30.9956, 7.3383 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(189, 144, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 144, 50) }
```

Border

The CSS property to change the border of an element to XYZ 31.5352, 30.9956, 7.3383 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, 50) }
```

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

```
.border{ border-color:rgb(189, 144, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 144, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 144, 50);  
box-shadow:4px 4px 4px 4px rgb(189, 144,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5352, 30.9956, 7.3383 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, 50) }
```

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

```
.background{ background-color: rgb(189,  
144, 50) }
```

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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