

Converting Colors

XYZ(31.5139, 30.9871, 7.2259)

Have a look what the booklet for
XYZ(31.5139, 30.9871, 7.2259)
contains.

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Color

**XYZ(31.5139, 30.9871,
7.2259)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9031
RGB	189, 144, 49
RGB Percent	74%, 56%, 19%
CMY	0.2588, 0.4353, 0.8078
CMYK	0.00, 0.24, 0.74, 0.26
HSL	41°, 59%, 47%
HSV	41°, 74%, 74%
XYZ	31.5139, 30.9871, 7.2259
YIQ	146.6250, 57.3150, -20.0050

Conversions

Conversions Part 2

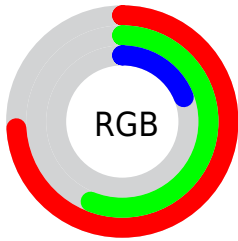
Format	Color
R _Y B	115, 189, 49
Decimal	12423217
CIE Lab	62.50, 7.72, 54.37
CIE LCh	62, 54.911, 81.921
Yxy	30.9871, 0.4520, 0.4444
Android (android.graphics.Color)	4290613297 (0xFFBD9031)
YUV	146.6250, -48.1291, 37.1629
Hunter-Lab	55.6661, 3.6376, 31.2699

Details

The XYZ color **31.5139, 30.9871, 7.2259** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.4545, 12.3321, 49.7622**, and the grayscale version is **27.7548, 29.2002, 31.7991**.

A 20% lighter version of the original color is **61.6100, 61.4675, 20.9291**, and **13.3628, 12.8307, 1.7723** is the 20% darker color. If you saturate the color by 10%, you get **30.3003, 29.0701, 5.2493**, and if you desaturate by 10%, it is **32.9456, 33.0730, 10.1007**.

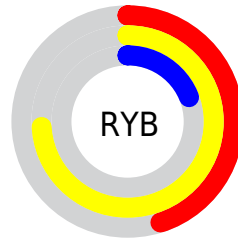
Distribution



Red (74%)

Green (56%)

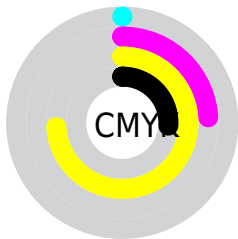
Blue (19%)



Red (45%)

Yellow (74%)

Blue (19%)

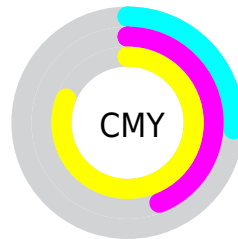


Cyan (0%)

Magenta (24%)

Yellow (74%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5139, 30.9871, 7.2259 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 31.5139, 30.9871, 7.2259 by changing the saturation by 10% instead.


 31.5139, 30.9871,
7.2259


 31.5139, 30.9871,
7.2259


300.6837,
306.4789, 179.2293


 21.1442, 20.5890,
3.5232


 61.4186, 61.2198,
20.9468


 13.3425, 12.8239,
1.3676


 81.6844, 81.8231,
31.8021

 7.7435, 7.3074,
0.1162


 105.9795,
106.5971, 45.8786

 3.9817, 3.6551,
0.0000

 134.6694,
135.9260, 63.5950

 1.6918, 1.4826,
0.0000

 168.1194,
170.1942, 85.3697

 0.4511, 0.2764,
0.0000

 206.6949,

 0.0000, 0.0000,

209.7861, 111.6213

0.0000

250.7612,
255.0863, 142.7683

■ 31.5139, 30.9871,
7.2259

■ 31.5139, 30.9871,
7.2259

■ 30.3003, 29.0701,
5.2493

■ 32.9456, 33.0730,
10.1007

■ 29.2795, 27.3070,
4.0504

■ 34.6127, 35.3323,
13.9703

■ 28.7387, 26.3239,
3.5663

■ 36.5328, 37.7744,
18.9206

■ 38.7210, 40.4064,
25.0278

■ 41.1912, 43.2352,
32.3610

■ 43.9561, 46.2668,
40.9842

■ 47.0276, 49.5071,
50.9564

■ 50.4168, 52.9617,
62.3333

■ 54.1344, 56.6358,
75.1674

Harmonies

Analogous

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



39.2110, 30.9871, 10.6381



31.5139, 30.9871, 7.2259



24.4167, 30.9871, 8.1822

Triad

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



31.5139, 30.9871, 7.2259



18.0518, 30.9871, 51.5109



42.2433, 30.9871, 65.9347

Complementary

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



31.5139, 30.9871, 7.2259



14.4545, 12.3321, 49.7622

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.



35.1366, 30.9871, 87.9773



31.5139, 30.9871, 7.2259



21.4641, 30.9871, 77.4899

Square

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



31.5139, 30.9871, 7.2259



17.4141, 30.9871, 28.2909



27.4826, 30.9871, 92.9199



46.0530, 30.9871, 39.8466

Rectangle

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



31.5139, 30.9871, 7.2259



20.8732, 30.9871, 11.4792



27.4826, 30.9871, 92.9199



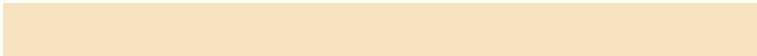
40.1090, 30.9871, 74.4499

Sweetspot

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



31.5146, 30.9886, 7.2265



74.5878, 78.3428, 60.4484



24.1806, 13.8541, 12.3862



15.7660, 16.5412, 12.1637



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.



31.5146, 30.9886, 7.2265



53.0700, 50.0285, 7.8919



34.4080, 44.6877, 9.7182



10.0567, 10.5894, 10.0905



19.4079, 17.8547, 2.4234



0.8170, 0.8129, 0.1138

Inverse Universe

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



14.4545, 12.3321, 49.7622



21.1712, 15.3527, 88.0737



12.9813, 7.2617, 48.8612



9.2601, 9.7126, 12.0589



7.3558, 4.8234, 32.9362



0.3488, 0.3103, 1.3104

Previews

White Background



This preview shows how the XYZ color 31.5139, 30.9871, 7.2259 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 31.5139, 30.9871, 7.2259 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 31.5139, 30.9871, 7.2259

Background



This preview shows how black text looks on a background with the XYZ color 31.5139, 30.9871, 7.2259.



This preview shows how white text looks on a background with the XYZ color 31.5139, 30.9871,

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

31.5139, 30.9871, 7.2259

Protanopia

28.1880, 31.1305, 7.6551

Deuteranopia

31.7628, 31.1154, 7.2375



Tritanopia

36.2805, 30.9744, 30.8545

Trichromacy



Original Color

31.5139, 30.9871, 7.2259

Protanomaly

29.2277, 30.9553, 7.4521

Deuteranomaly

31.7628, 31.1154, 7.2375

Tritanomaly

33.8953, 30.6402, 18.8795

Monochromacy



Original Color

31.5139, 30.9871, 7.2259

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.0484, 29.3868, 19.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5139, 30.9871, 7.2259 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(189, 144, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 144, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.5139, 30.9871, 7.2259 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, 49) }
```


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

```
.border{ border-color:rgb(189, 144, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 144, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 144, 49);  
box-shadow:4px 4px 4px 4px rgb(189, 144,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5139, 30.9871, 7.2259 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, 49) }
```

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

```
.background{ background-color: rgb(189,  
144, 49) }
```

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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