

Converting Colors

XYZ(31.6054, 43.1472, 9.5751)

Have a look what the booklet for
XYZ(31.6054, 43.1472, 9.5751)
contains.

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Color

**XYZ(31.7009, 43.2923,
9.5912)**

Conversions

Conversions Part 1

Format	Color
Hex	98BD31
RGB	152, 189, 49
RGB Percent	60%, 74%, 19%
CMY	0.4039, 0.2588, 0.8078
CMYK	0.20, 0.00, 0.74, 0.26
HSL	76°, 59%, 47%
HSV	76°, 74%, 74%
XYZ	31.7009, 43.2923, 9.5912
YIQ	161.9770, 22.8880, -51.3840

Conversions

Conversions Part 2

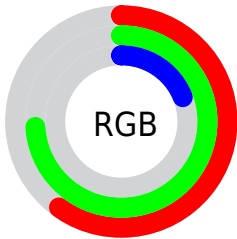
Format	Color
R_{YB}	49, 189, 86
Decimal	10009905
CIE _{Lab}	71.75, -31.50, 62.31
CIE _{LCh}	72, 69.818, 116.816
Yxy	43.2923, 0.3748, 0.5118
Android (android.graphics.Color)	4288199985 (0xFF98BD31)
YUV	161.9770, -55.6977, -8.7498
Hunter-Lab	65.7969, -29.1434, 37.4151

Details

The XYZ color **31.7009, 43.2923, 9.5912** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **14.1230, 7.8503, 48.9175**, and the grayscale version is **34.5783, 36.3790, 39.6168**.

A 20% lighter version of the original color is **61.4967, 79.8800, 25.5418**, and **13.7339, 20.1497, 3.1654** is the 20% darker color. If you saturate the color by 10%, you get **30.4676, 42.6948, 7.8705**, and if you desaturate by 10%, it is **33.1428, 43.9809, 12.1962**.

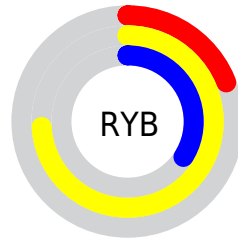
Distribution



Red (60%)

Green (74%)

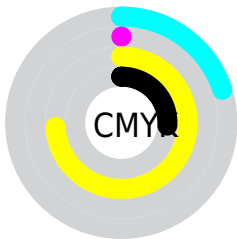
Blue (19%)



Red (19%)

Yellow (74%)

Blue (34%)

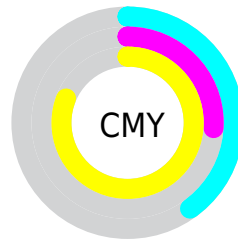


Cyan (20%)

Magenta (0%)

Yellow (74%)

Black (26%)



Cyan (40%)

Magenta (26%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7009, 43.2923, 9.5912 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 31.7009, 43.2923, 9.5912 by changing the saturation by 10% instead.

■ 31.7009, 43.2923,
9.5912

■ 31.7009, 43.2923,
9.5912

301.5240,
359.8125, 198.1066

■ 21.2876, 30.1145,
5.0267

■ 61.7103, 80.1518,
25.6194

■ 13.4480, 19.9255,
2.2039

■ 82.0370, 104.6022,
37.9202

■ 7.8169, 12.3409,
0.6766

■ 106.3990,
133.5791, 53.6368

■ 4.0288, 6.9763,
0.0000

■ 135.1615,
167.4667, 73.1878

■ 1.7185, 3.4473,
0.0000

■ 168.6899,
206.6494, 96.9918

■ 0.4678, 1.3695,
0.0000

■ 207.3495,

■ 0.0000, 0.1941,

251.5117, 125.4672

0.0000

251.5058,
302.4379, 159.0326

■ 0.0000, 0.0000,
0.0000

■ 31.7009, 43.2923,
9.5912

■ 31.7009, 43.2923,
9.5912

■ 30.4676, 42.6948,
7.8705

■ 33.1428, 43.9809,
12.1962

■ 29.4169, 42.1732,
6.9127

■ 34.8095, 44.7625,
15.7808

■ 28.8538, 41.8900,
6.5648

■ 36.7185, 45.6457,
20.4311

■ 38.8847, 46.6364,
26.2231

■ 41.3216, 47.7403,
33.2257

■ 44.0418, 48.9622,
41.5024

■ 47.0570, 50.3070,
51.1124

■ 50.3779, 51.7790,
62.1110

■ 54.0151, 53.3824,
74.5504

Harmonies

Analogous

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



42.4265, 43.2923, 7.3918



31.7009, 43.2923, 9.5912



24.8724, 43.2923, 19.6827

Triad

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



31.7009, 43.2923, 9.5912



29.8943, 43.2923, 125.5603



68.3491, 43.2923, 50.8559

Complementary

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



31.7009, 43.2923, 9.5912



14.1230, 7.8503, 48.9175

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.



63.3155, 43.2923, 92.6351



31.7009, 43.2923, 9.5912



39.8955, 43.2923, 146.9250

Square

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



31.7009, 43.2923, 9.5912



23.9787, 43.2923, 83.1311



52.3071, 43.2923, 132.6541



65.0172, 43.2923, 23.4020

Rectangle

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



31.7009, 43.2923, 9.5912



22.7111, 43.2923, 33.7660



52.3071, 43.2923, 132.6541



67.5592, 43.2923, 63.6428

Sweetspot

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



31.7019, 43.2942, 9.5921



74.8044, 85.8596, 61.8879



24.7126, 17.3826, 4.9590



15.8167, 18.3422, 12.5087



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.



31.7019, 43.2942, 9.5921



53.3344, 75.8542, 12.8629



22.4097, 38.5039, 9.1572



10.0695, 10.9902, 10.1672



19.4878, 28.2222, 4.4203



0.8219, 1.1357, 0.1759

Inverse Universe

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



14.1230, 7.8503, 48.9175



20.5437, 9.2696, 86.9327



23.6116, 12.7419, 49.3615



9.2467, 9.3440, 11.9884



7.1264, 2.9599, 32.5886



0.3433, 0.1490, 1.2795

Previews

White Background



This preview shows how the XYZ color 31.7009, 43.2923, 9.5912 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 31.7009, 43.2923, 9.5912 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 31.7009, 43.2923, 9.5912

Background



This preview shows how black text looks on a background with the XYZ color 31.7009, 43.2923, 9.5912.



This preview shows how white text looks on a background with the XYZ color 31.7009, 43.2923,

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

31.7009, 43.2923, 9.5912

Protanopia

39.0444, 43.1182, 8.8496

Deuteranopia

43.6134, 42.6380, 9.9343



Tritanopia

40.7559, 42.9839, 54.8638

Trichromacy



Original Color

31.7009, 43.2923, 9.5912

Protanomaly

36.0930, 43.0767, 9.1017

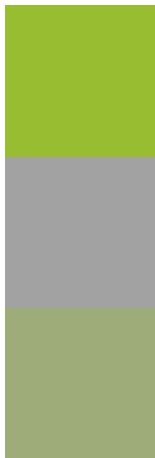
Deuteranomaly

38.3313, 42.1500, 9.7299

Tritanomaly

36.0844, 42.5932, 30.7456

Monochromacy



Original Color

31.7009, 43.2923, 9.5912

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.3043, 38.1546, 23.7511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7009, 43.2923, 9.5912 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(152, 189, 49)` looks like.

```
.text, #text, p{  
    color:rgb(152, 189, 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(152, 189, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 189, 49) }
```

Border

The CSS property to change the border of an element to XYZ 31.7009, 43.2923, 9.5912 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(152, 189, 49) }
```


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

```
.border{ border-color:rgb(152, 189, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 189, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 189, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 189, 49);  
box-shadow:4px 4px 4px 4px rgb(152, 189,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7009, 43.2923, 9.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 189, 49) }
```

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

```
.background{ background-color: rgb(152,  
189, 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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