

Converting Colors

XYZ(31.5155, 18.3897, 69.5987)

Have a look what the booklet for
XYZ(31.5155, 18.3897, 69.5987)
contains.

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Color

**XYZ(31.5155, 18.3897,
69.5987)**

Conversions

Conversions Part 1

Format	Color
Hex	A84ADC
RGB	168, 74, 220
RGB Percent	66%, 29%, 86%
CMY	0.3412, 0.7098, 0.1373
CMYK	0.24, 0.66, 0.00, 0.14
HSL	279°, 68%, 58%
HSV	279°, 66%, 86%
XYZ	31.5155, 18.3897, 69.5987
YIQ	118.7500, 9.1580, 65.3340

Conversions

Conversions Part 2

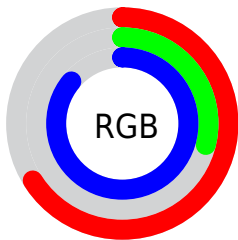
Format	Color
R _{YB}	168, 74, 220
Decimal	11029212
CIE Lab	49.97, 61.74, -58.55
CIE LCh	50, 85.086, 316.518
Yxy	18.3897, 0.2637, 0.1539
Android (android.graphics.Color)	4289219292 (0xFFA84ADC)
YUV	118.7500, 49.9163, 43.1923
Hunter-Lab	42.8832, 56.1366, -66.2084

Details

The XYZ color **31.5155, 18.3897, 69.5987** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **35.4338, 56.1168, 15.4432**, and the grayscale version is **17.3020, 18.2030, 19.8231**.

A 20% lighter version of the original color is **57.5788, 39.2514, 99.1493**, and **13.3324, 6.2118, 35.6183** is the 20% darker color. If you saturate the color by 10%, you get **28.6771, 15.1144, 69.1164**, and if you desaturate by 10%, it is **34.9694, 22.7449, 70.2576**.

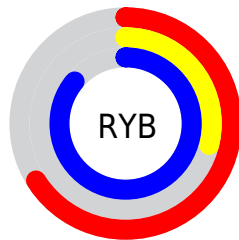
Distribution



Red (66%)

Green (29%)

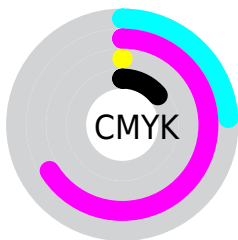
Blue (86%)



Red (66%)

Yellow (29%)

Blue (86%)

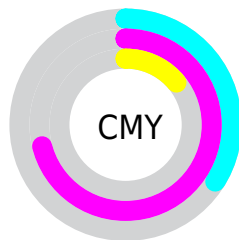


Cyan (24%)

Magenta (66%)

Yellow (0%)

Black (14%)



Cyan (34%)


Magenta (71%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5155, 18.3897, 69.5987 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 31.5155, 18.3897, 69.5987 by changing the saturation by 10% instead.


 31.5155, 18.3897,
69.5987


 31.5155, 18.3897,
69.5987


300.6909,
243.0585, 477.8907


 21.1455, 11.2301,
50.7247


 61.4211, 40.7003,
120.3120


 13.3434, 6.2218,
35.6143


 81.6874, 56.6200,
152.9884


 7.7441, 2.9804,
23.8491


 105.9831, 76.2287,
191.1027

 3.9821, 1.1215,
15.0106

 134.6736, 99.9105,
235.0733

 1.6920, 0.0000,
8.6801

 168.1243,
128.0501, 285.3189

 0.4512, 0.0000,
4.4392

206.7005,

 0.0000, 0.0000,

161.0317, 342.2580

1.8692

250.7676,
199.2397, 406.3091

■ 0.0000, 0.0000,
0.4731

■ 0.0000, 0.0000,
0.0000

■ 31.5155, 18.3897,
69.5987

■ 31.5155, 18.3897,
69.5987

■ 28.6771, 15.1144,
69.1164

■ 34.9694, 22.7449,
70.2576

■ 26.3937, 12.8035,
68.7907

■ 39.0862, 28.2750,
71.1081

■ 24.5937, 11.3151,
68.5983

■ 43.9110, 35.0669,
72.1647

■ 24.0130, 10.8868,
68.5463

■ 49.4839, 43.1984,
73.4406

■ 55.8419, 52.7410,
74.9474

■ 63.0193, 63.7609,
76.6961

■ 71.0481, 76.3203,
78.6972

■ 79.9588, 90.4774,
80.9601

■ 84.1137, 94.9549,
81.6054

Harmonies

Analogous

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



22.3305, 18.3897, 101.3982



31.5155, 18.3897, 69.5987



37.6090, 18.3897, 32.4341

Triad

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



31.5155, 18.3897, 69.5987



21.3984, 18.3897, 0.2381



6.3382, 18.3897, 35.7104

Complementary

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



31.5155, 18.3897, 69.5987



35.4338, 56.1168, 15.4432

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.



6.2295, 18.3897, 11.2672



31.5155, 18.3897, 69.5987



13.3864, 18.3897, 0.3197

Square

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



31.5155, 18.3897, 69.5987



30.6527, 18.3897, 1.9133



8.3865, 18.3897, 2.2872



8.7520, 18.3897, 73.5335

Rectangle

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



31.5155, 18.3897, 69.5987



38.1634, 18.3897, 15.3430



8.3865, 18.3897, 2.2872



6.0646, 18.3897, 25.5699

Sweetspot

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



31.5163, 18.3904, 69.5991



74.5132, 68.3820, 103.8795



23.4013, 21.9407, 70.7121



15.4116, 13.8307, 22.1073



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.5163, 18.3904, 69.5991



38.6066, 19.5747, 96.3512



42.4522, 24.3088, 57.4261



13.1411, 13.0308, 16.4747



14.2183, 6.4540, 40.2348



1.0136, 0.4658, 2.6109

Inverse Universe

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



35.7303, 21.6201, 22.0289



46.0402, 25.0742, 21.3681



30.4143, 53.4413, 19.1775



13.2467, 13.1278, 14.5601



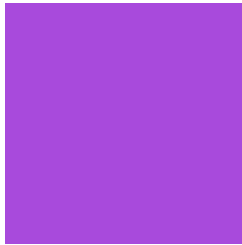
18.1850, 9.2751, 5.3544



1.2184, 0.6170, 0.5588

Previews

White Background



This preview shows how the XYZ color 31.5155, 18.3897, 69.5987 looks on a white background.

Color Contrast Check

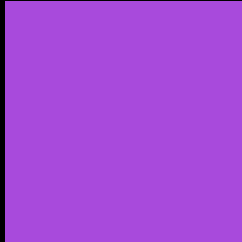
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5155, 18.3897, 69.5987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

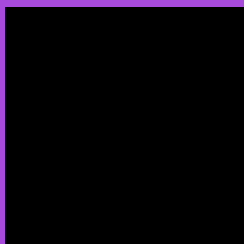
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5155, 18.3897, 69.5987

Background



This preview shows how black text looks on a background with the XYZ color 31.5155, 18.3897, 69.5987.



This preview shows how white text looks on a background with the XYZ color 31.5155, 18.3897,

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

31.5155, 18.3897, 69.5987

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.2884, 18.7352, 64.2277



Tritanopia

21.1147, 18.3325, 18.6453

Trichromacy



Original Color

31.5155, 18.3897, 69.5987

Protanomaly

21.4770, 16.1046, 80.5738

Deuteranomaly

20.6552, 16.5947, 65.7328

Tritanomaly

23.7466, 17.6524, 32.2927

Monochromacy



Original Color

31.5155, 18.3897, 69.5987

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.1675, 17.4192, 33.6991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5155, 18.3897, 69.5987 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(168, 74, 220)` looks like.

```
.text, #text, p{  
    color:rgb(168, 74, 220)  
}
```

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(168, 74, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 74, 220) }
```

Border

The CSS property to change the border of an element to XYZ 31.5155, 18.3897, 69.5987 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(168, 74, 220) }
```


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

```
.border{ border-color:rgb(168, 74, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 74, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 74, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 74, 220);  
box-shadow:4px 4px 4px 4px rgb(168, 74,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5155, 18.3897, 69.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 74, 220) }
```

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

```
.background{ background-color: rgb(168, 74,  
220) }
```

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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