

Converting Colors

XYZ(31.9363, 27.7140, 47.2353)

Have a look what the booklet for
XYZ(31.9363, 27.7140, 47.2353)
contains.

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Color

**XYZ(31.9016, 27.7312,
47.3873)**

Conversions

Conversions Part 1

Format	Color
Hex	A484B5
RGB	164, 132, 181
RGB Percent	64%, 52%, 71%
CMY	0.3569, 0.4823, 0.2902
CMYK	0.09, 0.27, 0.00, 0.29
HSL	279°, 25%, 61%
HSV	279°, 27%, 71%
XYZ	31.9016, 27.7312, 47.3873
YIQ	147.1540, 3.3430, 22.0230

Conversions

Conversions Part 2

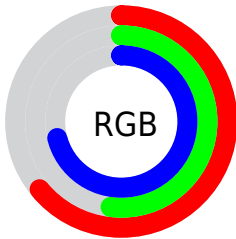
Format	Color
RYB	164, 132, 181
Decimal	10781877
CIELab	59.65, 21.42, -21.14
CIElCh	60, 30.098, 315.377
Yxy	27.7312, 0.2981, 0.2591
Android (android.graphics.Color)	4288971957 (0xFFA484B5)
YUV	147.1540, 16.6861, 14.7739
Hunter-Lab	52.6604, 15.9793, -16.4907

Details

The XYZ color **31.9016, 27.7312, 47.3873** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.0840, 41.1039, 28.0212**, and the grayscale version is **27.7297, 29.1738, 31.7703**.

A 20% lighter version of the original color is **61.8484, 55.8724, 87.6455**, and **13.5957, 11.0378, 21.8360** is the 20% darker color. If you saturate the color by 10%, you get **28.3929, 22.5900, 46.5803**, and if you desaturate by 10%, it is **35.9019, 33.7594, 48.3405**.

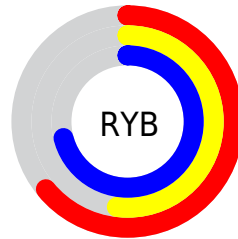
Distribution



Red (64%)

Green (52%)

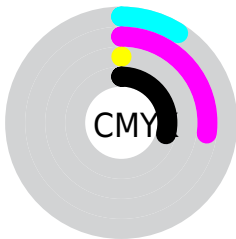
Blue (71%)



Red (64%)

Yellow (52%)

Blue (71%)

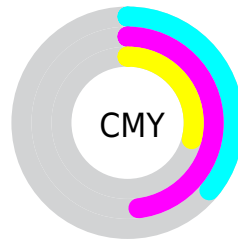


Cyan (9%)

Magenta (27%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (48%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9016, 27.7312, 47.3873 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 31.9016, 27.7312, 47.3873 by changing the saturation by 10% instead.

■ 31.9016, 27.7312,
47.3873

■ 31.9016, 27.7312,
47.3873

302.4240,
291.1803, 392.7968

■ 21.4415, 18.1231,
32.9854

■ 62.0230, 56.0550,
87.6475

■ 13.5614, 11.0384,
21.8442

■ 82.4151, 75.5395,
114.3428

■ 7.8959, 6.0927,
13.5453

■ 106.8486, 99.0850,
145.9731

■ 4.0797, 2.9015,
7.6700

135.6888,
127.0758, 182.9568

■ 1.7473, 1.0805,
3.7998

169.3011,
159.8963, 225.7125

■ 0.4856, 0.0000,
1.5162

208.0508,

■ 0.0000, 0.0000,

197.9310, 274.6587

0.2299

252.3033,
241.5642, 330.2139

■ 0.0000, 0.0000,
0.0000

■ 31.9016, 27.7312,
47.3873

■ 31.9016, 27.7312,
47.3873

■ 28.3929, 22.5900,
46.5803

■ 35.9019, 33.7594,
48.3405

■ 25.3503, 18.2878,
45.9103

■ 40.4124, 40.7123,
49.4448

■ 22.7497, 14.7775,
45.3698

■ 45.4540, 48.6298,
50.7073

■ 20.5637, 12.0054,
44.9499

■ 51.0456, 57.5483,
52.1340

■ 18.7614, 9.9115,
44.6407

■ 57.2050, 67.5022,
53.7307

■ 17.3071, 8.4254,
44.4306

■ 63.9492, 78.5244,
55.5027

■ 16.1500, 7.4476,
44.3028

■ 70.1015, 88.2602,
57.0576

■ 15.8396, 7.2021,
44.2718

■ 71.9018, 89.1883,
57.1419

■ 73.7729, 90.1529,
57.2295

Harmonies

Analogous

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



28.3410, 27.7312, 55.1679



31.9016, 27.7312, 47.3873



34.0700, 27.7312, 35.7853

Triad

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



31.9016, 27.7312, 47.3873



28.2436, 27.7312, 14.1480



19.9277, 27.7312, 36.0839

Complementary

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



31.9016, 27.7312, 47.3873



33.0840, 41.1039, 28.0212

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.



19.9070, 27.7312, 25.2187



31.9016, 27.7312, 47.3873



24.4691, 27.7312, 14.1910

Square

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



31.9016, 27.7312, 47.3873



31.8245, 27.7312, 17.6261



21.4964, 27.7312, 17.7624



21.5558, 27.7312, 47.6506

Rectangle

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



31.9016, 27.7312, 47.3873



34.3130, 27.7312, 28.2776



21.4964, 27.7312, 17.7624



19.7381, 27.7312, 32.1962

Sweetspot

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



31.9025, 27.7324, 47.3879



71.4735, 71.5092, 88.3302



28.6284, 29.7852, 47.9567



15.1781, 15.0371, 19.0247



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.9025, 27.7324, 47.3879



53.5954, 44.4438, 84.0483



34.9140, 29.3697, 43.6951



8.5581, 8.4962, 10.6952



10.9963, 5.0046, 30.5234



0.4059, 0.1884, 0.9632

Inverse Universe

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



32.7330, 28.4973, 32.2101



55.4358, 46.0995, 52.1932



30.7263, 39.8283, 30.6297



8.6140, 8.5523, 9.4659



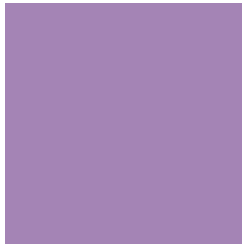
13.7814, 7.0301, 4.0086



0.4618, 0.2325, 0.2746

Previews

White Background



This preview shows how the XYZ color 31.9016, 27.7312, 47.3873 looks on a white background.

Color Contrast Check

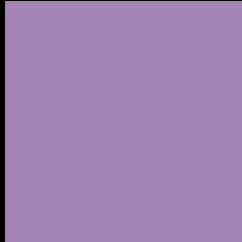
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9016, 27.7312, 47.3873 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 31.9016, 27.7312, 47.3873

Background



This preview shows how black text looks on a background with the XYZ color 31.9016, 27.7312, 47.3873.



This preview shows how white text looks on a background with the XYZ color 31.9016, 27.7312,

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

31.9016, 27.7312, 47.3873

Protanopia

28.1102, 27.8021, 51.4617

Deuteranopia

28.4768, 27.8799, 46.5283



Tritanopia

28.8114, 27.7178, 32.2653

Trichromacy



Original Color

31.9016, 27.7312, 47.3873

Protanomaly

29.1731, 27.5194, 49.6731

Deuteranomaly

29.7211, 27.8618, 46.9914

Tritanomaly

29.9351, 27.7586, 37.4984

Monochromacy



Original Color

31.9016, 27.7312, 47.3873

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.0679, 28.6215, 36.7933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9016, 27.7312, 47.3873 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(164, 132, 181)` looks like.

```
.text, #text, p{  
    color:rgb(164, 132, 181)  
}
```

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(164, 132, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 132, 181) }
```

Border

The CSS property to change the border of an element to XYZ 31.9016, 27.7312, 47.3873 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(164, 132, 181) }
```


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

```
.border{ border-color:rgb(164, 132, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 132, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 132, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 132, 181);  
box-shadow:4px 4px 4px 4px rgb(164, 132,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9016, 27.7312, 47.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 132, 181) }
```

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

```
.background{ background-color: rgb(164,  
132, 181) }
```

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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