

Converting Colors

XYZ(31.7765, 27.5489, 48.7583)

Have a look what the booklet for
XYZ(31.7765, 27.5489, 48.7583)
contains.

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Color

**XYZ(31.8033, 27.6446,
49.0071)**

Conversions

Conversions Part 1

Format	Color
Hex	A284B8
RGB	162, 132, 184
RGB Percent	64%, 52%, 72%
CMY	0.3647, 0.4823, 0.2784
CMYK	0.12, 0.28, 0.00, 0.28
HSL	275°, 27%, 62%
HSV	275°, 28%, 72%
XYZ	31.8033, 27.6446, 49.0071
YIQ	146.8980, 1.1880, 22.5320

Conversions

Conversions Part 2

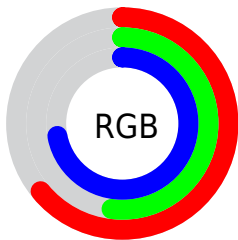
Format	Color
R_{YB}	162, 132, 184
Decimal	10650808
CIE _{Lab}	59.57, 21.40, -22.99
CIE _{LCh}	60, 31.408, 312.960
Yxy	27.6446, 0.2932, 0.2549
Android (android.graphics.Color)	4288840888 (0xFFA284B8)
YUV	146.8980, 18.2913, 13.2445
Hunter-Lab	52.5781, 15.9588, -18.4584

Details

The XYZ color **31.8033, 27.6446, 49.0071** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.6326, 42.8176, 28.2703**, and the grayscale version is **27.6183, 29.0566, 31.6426**.

A 20% lighter version of the original color is **61.6924, 55.7409, 89.9456**, and **13.5444, 10.9883, 22.8798** is the 20% darker color. If you saturate the color by 10%, you get **27.9923, 22.2974, 48.1763**, and if you desaturate by 10%, it is **36.1541, 33.9247, 49.9904**.

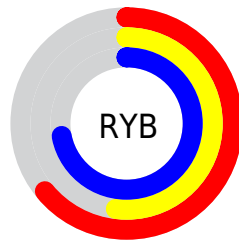
Distribution



Red (64%)

Green (52%)

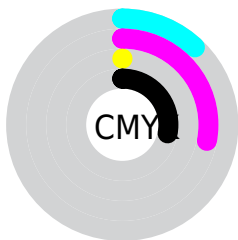
Blue (72%)



Red (64%)

Yellow (52%)

Blue (72%)

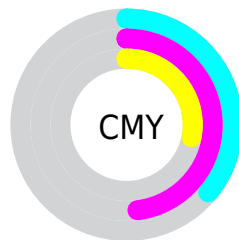


Cyan (12%)

Magenta (28%)

Yellow (0%)

Black (28%)



Cyan (36%)

Magenta (48%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8033, 27.6446, 49.0071 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 31.8033, 27.6446, 49.0071 by changing the saturation by 10% instead.

■ 31.8033, 27.6446,
49.0071

■ 31.8033, 27.6446,
49.0071

301.9835,
290.7648, 399.3935

■ 21.3661, 18.0579,
34.2595

■ 61.8699, 55.9165,
90.0831

■ 13.5059, 10.9916,
22.8140

■ 82.2300, 75.3706,
117.2485

■ 7.8572, 6.0612,
14.2522

■ 106.6284, 98.8825,
149.3903

■ 4.0547, 2.8823,
8.1556

135.4306,
126.8368, 186.9270

■ 1.7332, 1.0706,
4.1055

169.0018,
159.6177, 230.2772

■ 0.4769, 0.0000,
1.6834

207.7075,

■ 0.0000, 0.0000,

197.6098, 279.8593

0.3493

251.9129,
241.1973, 336.0919

■ 0.0000, 0.0000,
0.0000

■ 31.8033, 27.6446,
49.0071

■ 31.8033, 27.6446,
49.0071

■ 27.9923, 22.2974,
48.1763

■ 36.1541, 33.9247,
49.9904

■ 24.6934, 17.8325,
47.4883

■ 41.0651, 41.1780,
51.1316

■ 21.8807, 14.1997,
46.9354

■ 46.5589, 49.4465,
52.4380

■ 19.5241, 11.3420,
46.5080

■ 52.6560, 58.7687,
53.9160

■ 17.5903, 9.1952,
46.1956

■ 59.3758, 69.1812,
55.5717

16.0401, 7.6843,
45.9856

66.7368, 80.7187,
57.4107

14.8114, 6.6877,
45.8580

72.8771, 89.6551,
58.8119

14.6140, 6.5343,
45.8388

75.2389, 90.8727,
58.9225

77.7113, 92.1472,
59.0382

Harmonies

Analogous

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



28.0173, 27.6446, 56.6887



31.8033, 27.6446, 49.0071



34.2334, 27.6446, 36.9405

Triad

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



31.8033, 27.6446, 49.0071



28.5662, 27.6446, 13.7156



19.5422, 27.6446, 35.2513

Complementary

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



31.8033, 27.6446, 49.0071



34.6326, 42.8176, 28.2703

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.



19.6574, 27.6446, 24.1613



31.8033, 27.6446, 49.0071



24.6072, 27.6446, 13.4795

Square

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



31.8033, 27.6446, 49.0071



32.2398, 27.6446, 17.5687



21.4282, 27.6446, 16.8146



21.0960, 27.6446, 47.5063

Rectangle

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



31.8033, 27.6446, 49.0071



34.6207, 27.6446, 28.9899



21.4282, 27.6446, 16.8146



19.3920, 27.6446, 31.2386

Sweetspot

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



31.8042, 27.6458, 49.0077



74.5594, 74.8221, 92.7170



29.8123, 31.6549, 49.8865



15.7707, 15.6790, 19.9168



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.8042, 27.6458, 49.0077



53.1825, 43.8066, 87.8571



36.3118, 30.0110, 47.3448



9.0039, 8.9684, 11.3359



10.1539, 4.5457, 31.5953



0.4270, 0.1959, 1.1170

Inverse Universe

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



33.8520, 29.0271, 34.3915



57.6850, 46.8316, 56.2654



31.0633, 40.9496, 29.3624



9.1580, 9.0736, 10.1796



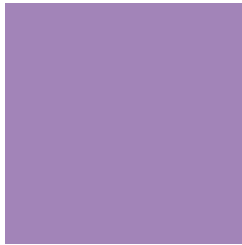
14.6011, 7.4142, 5.7864



0.5458, 0.2738, 0.3677

Previews

White Background



This preview shows how the XYZ color 31.8033, 27.6446, 49.0071 looks on a white background.

Color Contrast Check

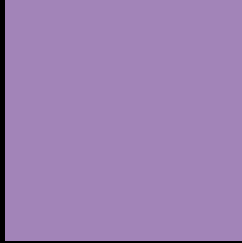
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8033, 27.6446, 49.0071 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 31.8033, 27.6446, 49.0071

Background



This preview shows how black text looks on a background with the XYZ color 31.8033, 27.6446, 49.0071.



This preview shows how white text looks on a background with the XYZ color 31.8033, 27.6446,

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

31.8033, 27.6446, 49.0071

Protanopia

28.2829, 27.8534, 53.1758

Deuteranopia

28.2849, 27.7455, 48.1206



Tritanopia

28.5621, 27.8033, 32.2950

Trichromacy



Original Color

31.8033, 27.6446, 49.0071

Protanomaly

29.3209, 27.5586, 51.3509

Deuteranomaly

29.4898, 27.7068, 48.5934

Tritanomaly

29.6238, 27.5879, 37.9461

Monochromacy



Original Color

31.8033, 27.6446, 49.0071

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.9671, 28.5595, 37.2435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8033, 27.6446, 49.0071 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(162, 132, 184)` looks like.

```
.text, #text, p{  
    color:rgb(162, 132, 184)  
}
```

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(162, 132, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 132, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.8033, 27.6446, 49.0071 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(162, 132, 184) }
```


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

```
.border{ border-color:rgb(162, 132, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 132, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 132, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 132, 184);  
box-shadow:4px 4px 4px 4px rgb(162, 132,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8033, 27.6446, 49.0071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 132, 184) }
```

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

```
.background{ background-color: rgb(162,  
132, 184) }
```

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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