

Converting Colors

XYZ(31.2426, 15.0244, 69.6599)

Have a look what the booklet for
XYZ(31.2426, 15.0244, 69.6599)
contains.

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Color

**XYZ(31.2426, 15.0244,
69.6599)**

Conversions

Conversions Part 1

Format	Color
Hex	B016DD
RGB	176, 22, 221
RGB Percent	69%, 9%, 87%
CMY	0.3098, 0.9137, 0.1333
CMYK	0.20, 0.90, 0.00, 0.13
HSL	286°, 82%, 48%
HSV	286°, 90%, 87%
XYZ	31.2426, 15.0244, 69.6599
YIQ	90.7320, 27.9050, 94.5370

Conversions

Conversions Part 2

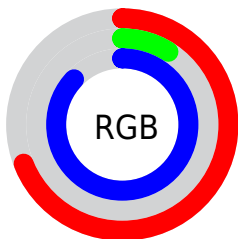
Format	Color
R _Y B	176, 22, 221
Decimal	11540189
CIE Lab	45.67, 79.26, -66.01
CIE LCh	46, 103.149, 320.211
Yxy	15.0244, 0.2695, 0.1296
Android (android.graphics.Color)	4289730269 (0xFFB016DD)
YUV	90.7320, 64.2221, 74.7800
Hunter-Lab	38.7613, 76.0432, -79.4201

Details

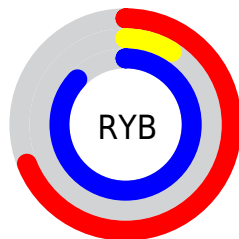
The XYZ color **31.2426, 15.0244, 69.6599** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **28.3165, 52.9645, 9.4902**, and the grayscale version is **9.7394, 10.2466, 11.1586**.

A 20% lighter version of the original color is **56.7343, 33.2373, 98.0330**, and **14.1276, 6.4985, 36.1070** is the 20% darker color. If you saturate the color by 10%, you get **29.8515, 13.8814, 69.5129**, and if you desaturate by 10%, it is **33.0119, 16.8536, 69.9200**.

Distribution



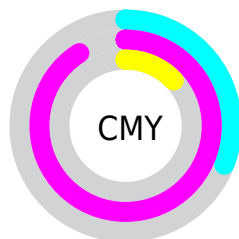
- Red (69%)
- Green (9%)
- Blue (87%)



- Red (69%)
- Yellow (9%)
- Blue (87%)



- Cyan (20%)
- Magenta (90%)
- Yellow (0%)
- Black (13%)





- Cyan (31%)
- Magenta (91%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2426, 15.0244, 69.6599 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 31.2426, 15.0244, 69.6599 by changing the saturation by 10% instead.


 31.2426, 15.0244,
69.6599


 31.2426, 15.0244,
69.6599


299.4614,
223.5139, 478.1118


 20.9364, 8.8365,
50.7742


 60.9951, 34.8960,
120.4002


 13.1897, 4.6347,
35.6535


 81.1720, 49.3485,
153.0919

 7.6372, 2.0346,
23.8791


 105.3699, 67.3246,
191.2227

 3.9135, 0.6274,
15.0326

 133.9542, 89.2088,
235.2111

 1.6533, 0.0000,
8.6954

 167.2901,
115.3854, 285.4756

 0.4268, 0.0000,
4.4489

 205.7430,

 0.0000, 0.0000,

146.2389, 342.4349

1.8747

249.6783,
182.1535, 406.5075

■ 0.0000, 0.0000,
0.4766

■ 0.0000, 0.0000,
0.0000

■ 31.2426, 15.0244,
69.6599

■ 31.2426, 15.0244,
69.6599

■ 29.8515, 13.8814,
69.5129

■ 33.0119, 16.8536,
69.9200

■ 35.2606, 19.5799,
70.3277

■ 38.0508, 23.3262,
70.9037

■ 41.4341, 28.1952,
71.6652

■ 45.4560, 34.2770,
72.6272

■ 50.1573, 41.6526,
73.8030

■ 55.5751, 50.3959,
75.2051

■ 61.7439, 60.5749,
76.8447

■ 68.6957, 72.2534,
78.7325

Harmonies

Analogous

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



20.8283, 15.0244, 114.0596



31.2426, 15.0244, 69.6599



37.7262, 15.0244, 25.8620

Triad

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



31.2426, 15.0244, 69.6599



17.2972, 15.0244, 0.0000



3.6709, 15.0244, 38.9374

Complementary

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



31.2426, 15.0244, 69.6599



28.3165, 52.9645, 9.4902

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.



3.3639, 15.0244, 9.5262



31.2426, 15.0244, 69.6599



9.2723, 15.0244, 0.0000

Square

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



31.2426, 15.0244, 69.6599



27.7800, 15.0244, 0.0000



4.9363, 15.0244, 0.8898



6.0646, 15.0244, 86.9946

Rectangle

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



31.2426, 15.0244, 69.6599



37.6855, 15.0244, 9.2868



4.9363, 15.0244, 0.8898



3.3720, 15.0244, 26.3346

Sweetspot

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



31.2433, 15.0250, 69.6602



71.3829, 60.8269, 102.5862



15.4760, 9.5787, 69.4400



14.7559, 12.1841, 21.8240



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.



31.2433, 15.0250, 69.6602



41.1645, 19.1360, 96.1317



37.1678, 18.7710, 38.6785



13.3114, 13.1187, 16.4827



17.4434, 8.1166, 40.3857



1.2021, 0.5630, 2.6198

Inverse Universe

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



31.1192, 16.3516, 6.8269



41.9952, 21.5621, 5.9066



27.4600, 52.3927, 15.3350



13.1760, 13.0995, 14.1882



17.6919, 9.0778, 2.7575



1.1791, 0.6013, 0.3520

Previews

White Background



This preview shows how the XYZ color 31.2426, 15.0244, 69.6599 looks on a white background.

Color Contrast Check

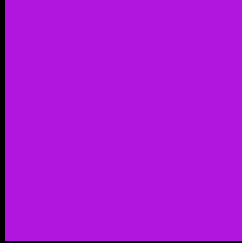
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.2426, 15.0244, 69.6599 looks on a black 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

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

XYZ 31.2426, 15.0244, 69.6599

Background



This preview shows how black text looks on a background with the XYZ color 31.2426, 15.0244, 69.6599.



This preview shows how white text looks on a background with the XYZ color 31.2426, 15.0244,

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

31.2426, 15.0244, 69.6599

Deuteranopia

15.5348, 15.3090, 53.7659

Tritanopia

19.6558, 15.0748, 12.7002

Trichromacy



Original Color

31.2426, 15.0244, 69.6599



Deuteranomaly

15.8094, 11.0416, 58.4247



Tritanomaly

22.1582, 13.5892, 26.6544

Monochromacy



Original Color

31.2426, 15.0244, 69.6599



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

14.5617, 9.8690, 25.1822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2426, 15.0244, 69.6599 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(176, 22, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 22, 221)  
}
```

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(176, 22, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 22, 221) }
```

Border

The CSS property to change the border of an element to XYZ 31.2426, 15.0244, 69.6599 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(176, 22, 221) }
```

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

```
.border{ border-color:rgb(176, 22, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 22, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 22, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 22, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 22,  
221) }
```


Background

The CSS property to change the background color of an element to XYZ 31.2426, 15.0244, 69.6599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 22, 221) }
```

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

```
.background{ background-color: rgb(176, 22,  
221) }
```

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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