

Converting Colors

XYZ(16.0731, 7.4385, 39.0418)

Have a look what the booklet for
XYZ(16.0731, 7.4385, 39.0418)
contains.

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Color

**XYZ(16.1031, 7.4523,
39.1178)**

Conversions

Conversions Part 1

Format	Color
Hex	7F00AB
RGB	127, 0, 171
RGB Percent	50%, 0%, 67%
CMY	0.5020, 1.0000, 0.3294
CMYK	0.26, 1.00, 0.00, 0.33
HSL	285°, 100%, 34%
HSV	285°, 100%, 67%
XYZ	16.1031, 7.4523, 39.1178
YIQ	57.4670, 20.8010, 80.1050

Conversions

Conversions Part 2

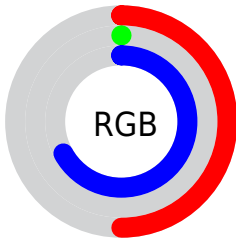
Format	Color
R_{YB}	127, 0, 171
Decimal	8323243
CIE _{Lab}	32.82, 66.26, -58.01
CIE _{LCh}	33, 88.068, 318.795
Yxy	7.4523, 0.2569, 0.1189
Android (android.graphics.Color)	4286513323 (0xFF7F00AB)
YUV	57.4670, 55.9718, 60.9804
Hunter-Lab	27.2989, 57.5207, -65.8500

Details

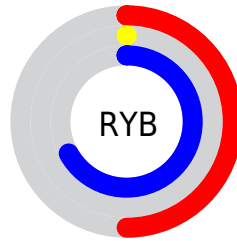
The XYZ color **16.1031, 7.4523, 39.1178** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.6018, 29.6615, 4.9031**, and the grayscale version is **3.8776, 4.0795, 4.4426**.

A 20% lighter version of the original color is **36.3888, 20.8925, 74.7878**, and **5.7367, 2.5864, 17.0265** is the 20% darker color. If you saturate the color by 10%, you get **16.1033, 7.4524, 39.1180**, and if you desaturate by 10%, it is **16.9753, 8.2019, 39.2167**.

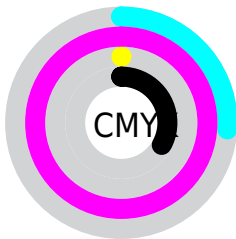
Distribution



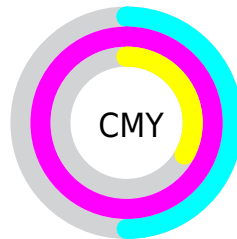
- Red (50%)
- Green (0%)
- Blue (67%)



- Red (50%)
- Yellow (0%)
- Blue (67%)



- Cyan (26%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (50%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1031, 7.4523, 39.1178 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 16.1031, 7.4523, 39.1178 by changing the saturation by 10% instead.


 16.1031, 7.4523,
39.1178


 16.1031, 7.4523,
39.1178


223.2078,
171.3708, 357.8320

 9.6884, 3.7465,
26.5428


 36.3331, 20.8775,
75.0406


 5.2536, 1.5328,
17.0008


 50.8792, 31.3657,
99.2255

 2.4331, 0.3117,
10.0731


 68.8664, 44.8836,
128.1174

 0.8616, 0.0000,
5.3412

 90.6602, 61.8154,
162.1350

 0.0000, 0.0000,
2.3866

 116.6259, 82.5457,
201.6967


 0.0000, 0.0000,
0.7791


 147.1288,


 0.0000, 0.0000,


107.4587, 247.2210

0.0000

 182.5343,
136.9390, 299.1266


 16.1031, 7.4523,
39.1178


 16.1031, 7.4523,
39.1178


 16.1033, 7.4524,
39.1180

 16.9753, 8.2019,
39.2167

 18.0498, 9.3137,
39.3746

 19.3972, 10.9276,
39.6151

 21.0494, 13.1072,
39.9488

 23.0338, 15.9067,
40.3845

■ 25.3745, 19.3737,
40.9303

■ 28.0932, 23.5512,
41.5934

■ 31.2098, 28.4785,
42.3802

■ 34.7428, 34.1920,
43.2968

Harmonies

Analogous

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



10.3525, 7.4523, 64.0017



16.1031, 7.4523, 39.1178



19.8800, 7.4523, 14.1384

Triad

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



16.1031, 7.4523, 39.1178



8.9558, 7.4523, 0.0000



1.5590, 7.4523, 19.3987

Complementary

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



16.1031, 7.4523, 39.1178



15.6018, 29.6615, 4.9031

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.



1.4505, 7.4523, 4.1029



16.1031, 7.4523, 39.1178



4.5867, 7.4523, 0.0000

Square

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



16.1031, 7.4523, 39.1178



14.7061, 7.4523, 0.0000



2.2776, 7.4523, 0.0000



2.6912, 7.4523, 46.3245

Rectangle

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



16.1031, 7.4523, 39.1178



20.0095, 7.4523, 4.8094



2.2776, 7.4523, 0.0000



1.4280, 7.4523, 12.6655

Sweetspot

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



16.1035, 7.4526, 39.1180



50.0363, 41.7470, 74.4227



8.3123, 4.8634, 39.0289



10.6984, 8.5978, 16.4834



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.1035, 7.4526, 39.1180



28.6334, 13.2403, 70.0484



20.8983, 10.2995, 22.3952



8.1329, 8.0428, 10.0765



12.1902, 5.6442, 29.4914



0.3861, 0.1812, 0.8226

Inverse Universe

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



17.2494, 8.8399, 3.1802



30.8189, 15.8022, 5.3075



14.9444, 29.2785, 6.8625



8.0867, 8.0479, 8.7672



13.0221, 6.6714, 2.4958



0.3846, 0.1945, 0.1868

Previews

White Background



This preview shows how the XYZ color 16.1031, 7.4523, 39.1178 looks on a white background.

Color Contrast Check

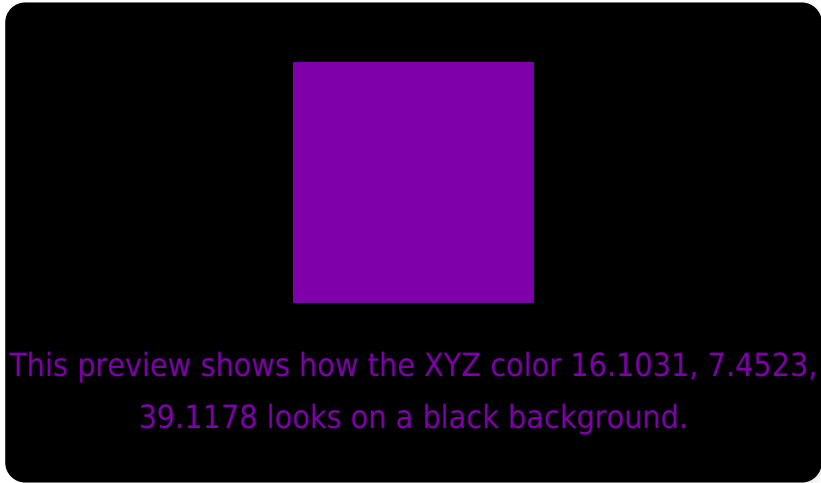
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

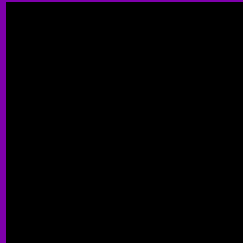
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1031, 7.4523, 39.1178

Background



This preview shows how black text looks on a background with the XYZ color 16.1031, 7.4523, 39.1178.



This preview shows how white text looks on a background with the XYZ color 16.1031, 7.4523,

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

16.1031, 7.4523, 39.1178

Protanopia

9.2647, 7.9521, 35.6969

Deuteranopia

7.8998, 7.9876, 26.7166



Tritanopia

9.7324, 7.8617, 7.1354

Trichromacy



Original Color

16.1031, 7.4523, 39.1178



Protanomaly

9.1080, 5.5306, 36.6639



Deuteranomaly

8.1045, 5.3367, 30.7399



Tritanomaly

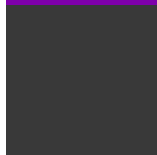
10.9068, 6.5924, 14.8850

Monochromacy



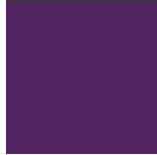
Original Color

16.1031, 7.4523, 39.1178



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.3152, 3.9374, 11.9824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1031, 7.4523, 39.1178 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(127, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 171)  
}
```

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(127, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.1031, 7.4523, 39.1178 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(127, 0, 171) }
```


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

```
.border{ border-color:rgb(127, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1031, 7.4523, 39.1178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 171) }
```

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

```
.background{ background-color: rgb(127, 0,  
171) }
```

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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