

Converting Colors

XYZ(16.7358, 7.7801, 39.0728)

Have a look what the booklet for
XYZ(16.7358, 7.7801, 39.0728)
contains.

XYZ(16.7108, 7.7656, 39.1462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(16.7108, 7.7656,
39.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	8300AB
RGB	131, 0, 171
RGB Percent	51%, 0%, 67%
CMY	0.4863, 1.0000, 0.3294
CMYK	0.23, 1.00, 0.00, 0.33
HSL	286°, 100%, 34%
HSV	286°, 100%, 67%
XYZ	16.7108, 7.7656, 39.1462
YIQ	58.6630, 23.1850, 80.9530

Conversions

Conversions Part 2

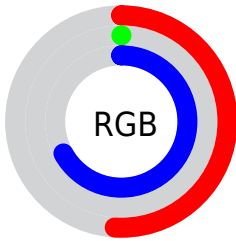
Format	Color
R_{YB}	131, 0, 171
Decimal	8585387
CIE _{Lab}	33.49, 66.79, -56.89
CIE _{LCh}	33, 87.730, 319.578
Yxy	7.7656, 0.2627, 0.1221
Android (android.graphics.Color)	4286775467 (0xFF8300AB)
YUV	58.6630, 55.3821, 63.4395
Hunter-Lab	27.8668, 58.2735, -63.7814

Details

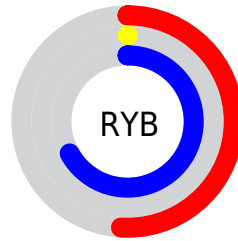
The XYZ color **16.7108, 7.7656, 39.1462** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **15.4382, 29.5771, 4.8955**, and the grayscale version is **4.0370, 4.2473, 4.6253**.

A 20% lighter version of the original color is **37.4358, 21.5338, 74.8564**, and **6.1717, 2.8039, 17.3555** is the 20% darker color. If you saturate the color by 10%, you get **16.7109, 7.7656, 39.1463**, and if you desaturate by 10%, it is **17.5448, 8.4956, 39.2433**.

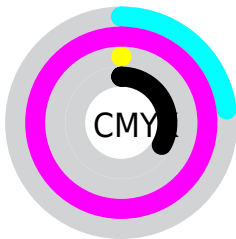
Distribution



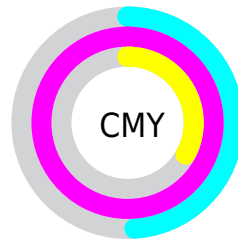
- Red (51%)
- Green (0%)
- Blue (67%)



- Red (51%)
- Yellow (0%)
- Blue (67%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (49%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7108, 7.7656, 39.1462 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 16.7108, 7.7656, 39.1462 by changing the saturation by 10% instead.

■ 16.7108, 7.7656,
39.1462

■ 16.7108, 7.7656,
39.1462

■ 226.6891,
173.8818, 357.9562

■ 10.1225, 3.9453,
26.5648

■ 37.3754, 21.4976,
75.0844

■ 5.5432, 1.6430,
17.0171

■ 52.1825, 32.1782,
99.2783

■ 2.6073, 0.3864,
10.0846

■ 70.4599, 45.9143,
128.1800

■ 0.9497, 0.0000,
5.3487

■ 92.5730, 63.0903,
162.2082

■ 0.0000, 0.0000,
2.3910

■ 118.8871, 84.0907,
201.7814

■ 0.0000, 0.0000,
0.7815

■ 149.7676,

■ 0.0000, 0.0000,

109.2998, 247.3181

0.0000

185.5798,
139.1020, 299.2368

16.7108, 7.7656,
39.1462

16.7108, 7.7656,
39.1462

16.7109, 7.7656,
39.1463

17.5448, 8.4956,
39.2433

18.5765, 9.5853,
39.3993

19.8760, 11.1746,
39.6375

21.4755, 13.3271,
39.9687

23.4021, 16.0968,
40.4018

■ 25.6798, 19.5314,
40.9447

■ 28.3303, 23.6738,
41.6045

■ 31.3735, 28.5633,
42.3879

■ 34.8276, 34.2363,
43.3008

Harmonies

Analogous

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



10.8723, 7.7656, 64.5191



16.7108, 7.7656, 39.1462



20.4484, 7.7656, 14.1054

Triad

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



16.7108, 7.7656, 39.1462



9.1540, 7.7656, 0.0000



1.6961, 7.7656, 20.5513

Complementary

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



16.7108, 7.7656, 39.1462



15.4382, 29.5771, 4.8955

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.



1.5588, 7.7656, 4.5605



16.7108, 7.7656, 39.1462



4.7307, 7.7656, 0.0000

Square

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



16.7108, 7.7656, 39.1462



15.0005, 7.7656, 0.0000



2.3923, 7.7656, 0.0598



2.9108, 7.7656, 47.9059

Rectangle

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



16.7108, 7.7656, 39.1462



20.4944, 7.7656, 4.8160



2.3923, 7.7656, 0.0598



1.5506, 7.7656, 13.5795

Sweetspot

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



16.7112, 7.7659, 39.1464



50.4671, 41.9691, 74.4428



8.2058, 4.6503, 38.9933



10.8058, 8.6532, 16.4884



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.



16.7112, 7.7659, 39.1464



29.7328, 13.8070, 70.0998



20.7076, 10.2232, 21.3909



8.1512, 8.0522, 10.0773



12.6455, 5.8789, 29.5128



0.3959, 0.1863, 0.8231

Inverse Universe

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



17.1778, 8.8113, 2.8032



30.6957, 15.7529, 4.6591



14.9946, 29.2986, 7.1269



8.0792, 8.0449, 8.7277



12.9669, 6.6493, 2.2051



0.3816, 0.1933, 0.1714

Previews

White Background



This preview shows how the XYZ color 16.7108, 7.7656, 39.1462 looks on a white background.

Color Contrast Check

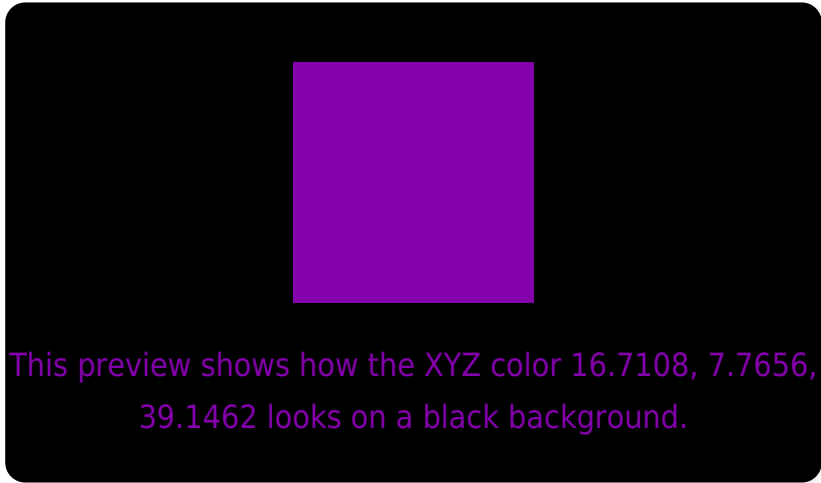
Large Text (above 18pt) WCAG AA ✓ Pass

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

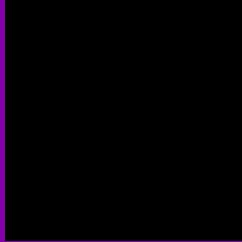
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7108, 7.7656, 39.1462

Background



This preview shows how black text looks on a background with the XYZ color 16.7108, 7.7656, 39.1462.



This preview shows how white text looks on a background with the XYZ color 16.7108, 7.7656,

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

16.7108, 7.7656, 39.1462

Deuteranopia

8.2041, 8.2308, 27.9444

Tritanopia

10.3793, 8.1952, 7.1657

Trichromacy



Original Color

16.7108, 7.7656, 39.1462

Deuteranomaly

8.3248, 5.5077, 31.1962

Tritanomaly

11.4558, 6.8754, 14.9107

Monochromacy



Original Color

16.7108, 7.7656, 39.1462

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.7397, 4.2376, 12.5193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7108, 7.7656, 39.1462 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(131, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.7108, 7.7656, 39.1462 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(131, 0, 171) }
```

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

```
.border{ border-color:rgb(131, 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(131, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 0,  
171) }
```


Background

The CSS property to change the background color of an element to XYZ 16.7108, 7.7656, 39.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 171) }
```

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

```
.background{ background-color: rgb(131, 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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