

Converting Colors

XYZ(15.6845, 8.0327, 39.3591)

Have a look what the booklet for
XYZ(15.6845, 8.0327, 39.3591)
contains.

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Color

**XYZ(15.6403, 8.0211,
39.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	7821AB
RGB	120, 33, 171
RGB Percent	47%, 13%, 67%
CMY	0.5294, 0.8706, 0.3294
CMYK	0.30, 0.81, 0.00, 0.33
HSL	278°, 68%, 40%
HSV	278°, 81%, 67%
XYZ	15.6403, 8.0211, 39.2520
YIQ	74.7450, 7.5540, 61.3620

Conversions

Conversions Part 2

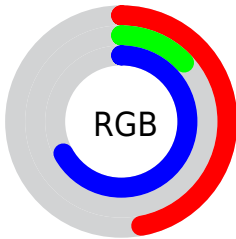
Format	Color
R_{YB}	120, 33, 171
Decimal	7872939
CIE _{Lab}	34.03, 58.36, -56.09
CIE _{LCh}	34, 80.943, 316.137
Yxy	8.0211, 0.2486, 0.1275
Android (android.graphics.Color)	4286063019 (0xFF7821AB)
YUV	74.7450, 47.4537, 39.6886
Hunter-Lab	28.3215, 49.0122, -62.3474

Details

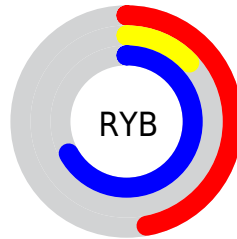
The XYZ color **15.6403, 8.0211, 39.2520** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **18.4937, 31.1206, 6.4712**, and the grayscale version is **6.5591, 6.9006, 7.5148**.

A 20% lighter version of the original color is **35.5690, 22.0379, 75.0521**, and **5.3844, 2.3980, 17.3186** is the 20% darker color. If you saturate the color by 10%, you get **14.4328, 6.8642, 39.0925**, and if you desaturate by 10%, it is **17.1474, 9.6904, 39.4949**.

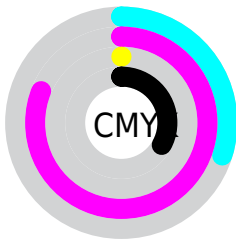
Distribution



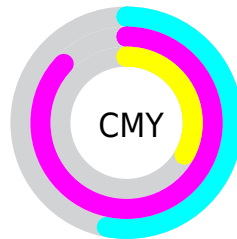
- Red (47%)
- Green (13%)
- Blue (67%)



- Red (47%)
- Yellow (13%)
- Blue (67%)



- Cyan (30%)
- Magenta (81%)
- Yellow (0%)
- Black (33%)





- Cyan (53%)
- Magenta (87%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6403, 8.0211, 39.2520 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 15.6403, 8.0211, 39.2520 by changing the saturation by 10% instead.


 15.6403, 8.0211,
39.2520


 15.6403, 8.0211,
39.2520


220.5221,
175.8974, 358.4186


 9.3592, 4.1085,
26.6465


 35.5351, 21.9998,
75.2477


 5.0352, 1.7344,
17.0778


 49.8796, 32.8346,
99.4750

 2.3029, 0.4458,
10.1274


 67.6425, 46.7457,
128.4133

 0.7961, 0.0000,
5.3768

 89.1893, 64.1173,
162.4811

 0.0000, 0.0000,
2.4074

 114.8853, 85.3339,
202.0970

 0.0000, 0.0000,
0.7905

 145.0959,

 0.0000, 0.0000,

110.7798, 247.6795

0.0000

180.1864,
140.8395, 299.6472

■ 15.6403, 8.0211,
39.2520

■ 15.6403, 8.0211,
39.2520

■ 14.4328, 6.8642,
39.0925

■ 17.1474, 9.6904,
39.4949

■ 13.5115, 6.1163,
38.9967

■ 18.9863, 11.9361,
39.8315

■ 21.1855, 14.8136,
40.2710

■ 23.7701, 18.3713,
40.8215

■ 26.7626, 22.6527,
41.4901

■ 30.1837, 27.6978,
42.2836

■ 34.0525, 33.5435,
43.2081

■ 38.3869, 40.2242,
44.2691

■ 43.2040, 47.7725,
45.4722

Harmonies

Analogous

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



10.2676, 8.0211, 60.0420



15.6403, 8.0211, 39.2520



19.3658, 8.0211, 16.0487

Triad

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



15.6403, 8.0211, 39.2520



9.8714, 8.0211, 0.0000



1.9931, 8.0211, 17.5049

Complementary

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



15.6403, 8.0211, 39.2520



18.4937, 31.1206, 6.4712

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.



1.9572, 8.0211, 4.0678



15.6403, 8.0211, 39.2520



5.4779, 8.0211, 0.0000

Square

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



15.6403, 8.0211, 39.2520



15.2545, 8.0211, 0.0215



2.9579, 8.0211, 0.1803



3.0880, 8.0211, 41.1616

Rectangle

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



15.6403, 8.0211, 39.2520



19.7422, 8.0211, 6.3599



2.9579, 8.0211, 0.1803



1.8772, 8.0211, 11.6348

Sweetspot

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



15.6407, 8.0214, 39.2522



51.6835, 46.0762, 75.1715



11.2980, 9.9036, 39.8444



11.0547, 9.5816, 16.6545



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.



15.6407, 8.0214, 39.2522



24.4479, 11.1898, 69.8732



23.2466, 12.1090, 32.0787



8.0458, 7.9979, 10.0724



10.2451, 4.6414, 29.4004



0.3426, 0.1588, 0.8206

Inverse Universe

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



18.9389, 10.3859, 9.3941



31.8376, 16.3252, 10.3157



15.7468, 29.6720, 7.8144



8.1230, 8.0625, 8.9588



13.3647, 6.8084, 4.3000



0.3987, 0.2002, 0.2612

Previews

White Background



This preview shows how the XYZ color 15.6403, 8.0211, 39.2520 looks on a white background.

Color Contrast Check

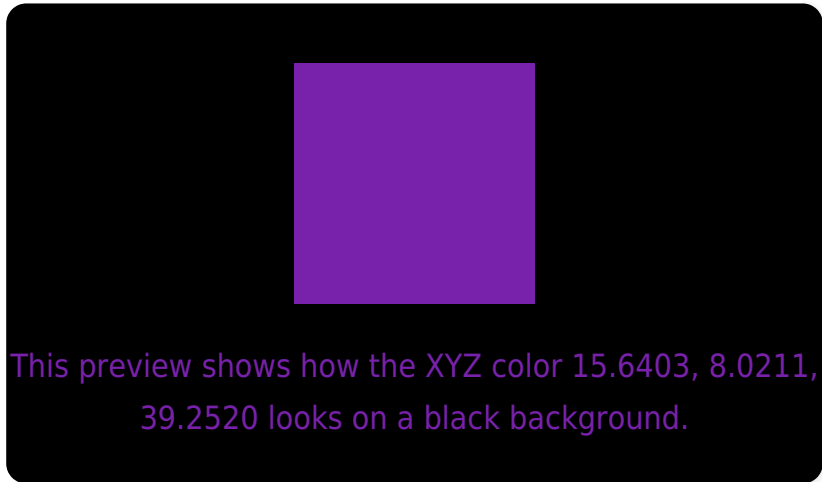
Large Text (above 18pt) WCAG AA ✓ Pass

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

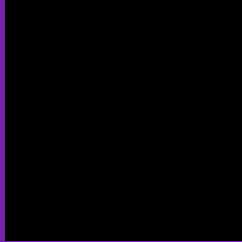
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6403, 8.0211, 39.2520

Background



This preview shows how black text looks on a background with the XYZ color 15.6403, 8.0211, 39.2520.



This preview shows how white text looks on a background with the XYZ color 15.6403, 8.0211,

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

15.6403, 8.0211, 39.2520

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

8.1273, 8.2001, 27.5400



Tritanopia

9.4014, 8.1278, 8.2810

Trichromacy



Original Color

15.6403, 8.0211, 39.2520

Protanomaly

9.7364, 6.7707, 37.3529

Deuteranomaly

8.7617, 6.6492, 31.3935

Tritanomaly

10.8681, 7.5110, 16.2062

Monochromacy



Original Color

15.6403, 8.0211, 39.2520

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.7447, 6.5817, 15.5613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6403, 8.0211, 39.2520 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(120, 33, 171)` looks like.

```
.text, #text, p{  
    color:rgb(120, 33, 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(120, 33, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 33, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.6403, 8.0211, 39.2520 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(120, 33, 171) }
```


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

```
.border{ border-color:rgb(120, 33, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 33, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 33, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 33, 171);  
box-shadow:4px 4px 4px 4px rgb(120, 33,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6403, 8.0211, 39.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 33, 171) }
```

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

```
.background{ background-color: rgb(120, 33,  
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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