

Converting Colors

XYZ(15.7238, 7.9155, 29.9773)

Have a look what the booklet for
XYZ(15.7238, 7.9155, 29.9773)
contains.

XYZ(15.7238, 7.9155, 29.9773)	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>	31

Color

**XYZ(15.7238, 7.9155,
29.9773)**

Conversions

Conversions Part 1

Format	Color
Hex	861797
RGB	134, 23, 151
RGB Percent	53%, 9%, 59%
CMY	0.4745, 0.9098, 0.4078
CMYK	0.11, 0.85, 0.00, 0.41
HSL	292°, 74%, 34%
HSV	292°, 85%, 59%
XYZ	15.7238, 7.9155, 29.9773
YIQ	70.7810, 25.0680, 63.3400

Conversions

Conversions Part 2

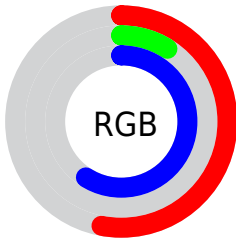
Format	Color
R_{YB}	134, 23, 151
Decimal	8787863
CIE _{Lab}	33.81, 59.80, -44.24
CIE _{LCh}	34, 74.381, 323.507
Yxy	7.9155, 0.2933, 0.1476
Android (android.graphics.Color)	4286977943 (0xFF861797)
YUV	70.7810, 39.5480, 55.4431
Hunter-Lab	28.1345, 50.5247, -43.4793

Details

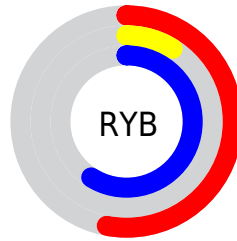
The XYZ color **15.7238, 7.9155, 29.9773** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.0967, 22.6465, 4.5446**, and the grayscale version is **5.8855, 6.1920, 6.7431**.

A 20% lighter version of the original color is **35.7968, 21.8732, 60.7278**, and **5.4766, 2.5631, 12.0105** is the 20% darker color. If you saturate the color by 10%, you get **15.1868, 7.3112, 29.8891**, and if you desaturate by 10%, it is **16.4369, 8.8622, 30.1226**.

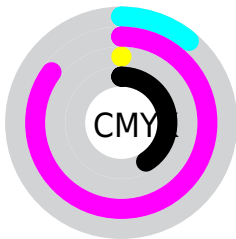
Distribution



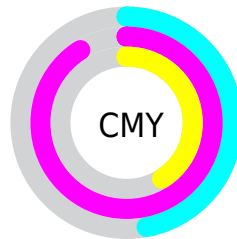
- Red (53%)
- Green (9%)
- Blue (59%)



- Red (53%)
- Yellow (9%)
- Blue (59%)



- Cyan (11%)
- Magenta (85%)
- Yellow (0%)
- Black (41%)



- Cyan (47%)
- Magenta (91%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7238, 7.9155, 29.9773 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 15.7238, 7.9155, 29.9773 by changing the saturation by 10% instead.


 15.7238, 7.9155,
29.9773


 15.7238, 7.9155,
29.9773


221.0089,
175.0677, 316.0026


 9.4185, 4.0409,
19.5695


 35.6794, 21.7926,
60.6869

 5.0744, 1.6965,
11.9015


 50.0604, 32.5640,
81.8257


 2.3262, 0.4214,
6.5549

 67.8640, 46.4030,
107.3785

 0.8080, 0.0000,
3.1112

 89.4556, 63.6942,
137.7640

 0.0000, 0.0000,
1.1517

 115.2006, 84.8218,
173.4006

 0.0000, 0.0000,
0.0000

 145.4642,

110.1704, 214.7069

180.6119,
140.1242, 262.1014

■ 15.7238, 7.9155,
29.9773

■ 15.7238, 7.9155,
29.9773

■ 15.1868, 7.3112,
29.8891

■ 16.4369, 8.8622,
30.1226

■ 14.9376, 7.0553,
29.8528

■ 17.3517, 10.2037,
30.3333

■ 18.4898, 11.9828,
30.6167

■ 19.8697, 14.2361,
30.9789

■ 21.5077, 16.9967,
31.4254

■ 23.4191, 20.2945,
31.9612

■ 25.6175, 24.1573,
32.5909

■ 28.1159, 28.6107,
33.3189

■ 30.9264, 33.6788,
34.1490

Harmonies

Analogous

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



11.0934, 7.9155, 49.7872



15.7238, 7.9155, 29.9773



18.2749, 7.9155, 11.4073

Triad

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



15.7238, 7.9155, 29.9773



8.4428, 7.9155, 0.0000



2.3895, 7.9155, 20.9930

Complementary

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



15.7238, 7.9155, 29.9773



12.0967, 22.6465, 4.5446

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.



2.1215, 7.9155, 6.3261



15.7238, 7.9155, 29.9773



4.8155, 7.9155, 0.0000

Square

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



15.7238, 7.9155, 29.9773



13.1983, 7.9155, 0.0000



2.8253, 7.9155, 0.9824



3.7652, 7.9155, 42.0708

Rectangle

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



15.7238, 7.9155, 29.9773



17.9763, 7.9155, 4.3747



2.8253, 7.9155, 0.9824



2.1937, 7.9155, 14.9791

Sweetspot

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



15.7241, 7.9158, 29.9775



41.6712, 35.8760, 57.1621



6.7007, 3.9391, 29.6855



9.2100, 7.7009, 12.9185



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.7241, 7.9158, 29.9775



26.6401, 12.5779, 53.4574



15.5713, 8.1933, 13.8759



6.3805, 6.2820, 7.8052



12.7248, 6.0109, 25.3973



0.2098, 0.1000, 0.3806

Inverse Universe

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



13.4522, 7.3456, 2.7168



23.0434, 11.8577, 2.0561



12.5237, 22.7570, 9.5165



6.2405, 6.2354, 6.6468



10.9718, 5.6429, 1.1104



0.1716, 0.0874, 0.0565

Previews

White Background



This preview shows how the XYZ color 15.7238, 7.9155, 29.9773 looks on a white background.

Color Contrast Check

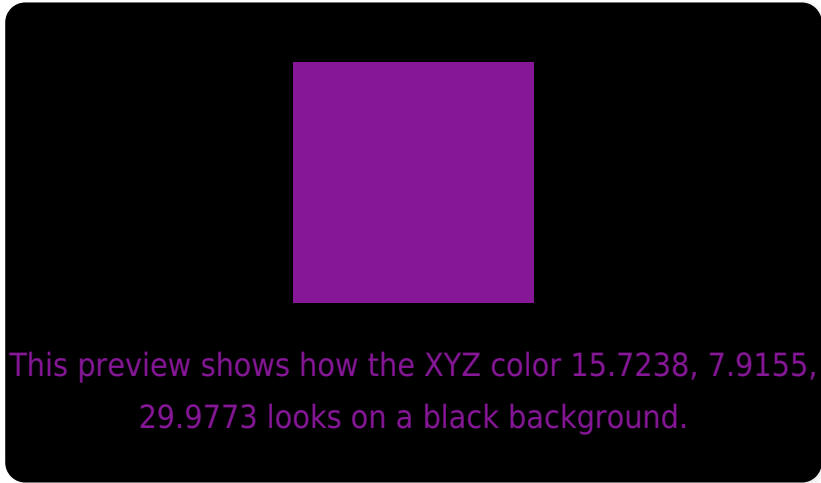
Large Text (above 18pt) WCAG AA ✓ Pass

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

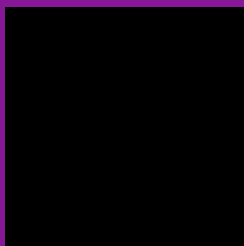
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7238, 7.9155, 29.9773

Background



This preview shows how black text looks on a background with the XYZ color 15.7238, 7.9155, 29.9773.



This preview shows how white text looks on a background with the XYZ color 15.7238, 7.9155,

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

15.7238, 7.9155, 29.9773

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

8.3787, 8.2345, 26.7390



Tritanopia

10.8744, 8.0496, 6.1348

Trichromacy



Original Color

15.7238, 7.9155, 29.9773

Protanomaly

9.1248, 6.2171, 33.9768

Deuteranomaly

9.0943, 6.5751, 27.5779

Tritanomaly

11.9670, 7.4890, 12.1241

Monochromacy



Original Color

15.7238, 7.9155, 29.9773

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.2355, 5.9381, 12.7687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7238, 7.9155, 29.9773 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(134, 23, 151)` looks like.

```
.text, #text, p{  
    color:rgb(134, 23, 151)  
}
```

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(134, 23, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 23, 151) }
```

Border

The CSS property to change the border of an element to XYZ 15.7238, 7.9155, 29.9773 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(134, 23, 151) }
```


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

```
.border{ border-color:rgb(134, 23, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 23, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 23, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 23, 151);  
box-shadow:4px 4px 4px 4px rgb(134, 23,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7238, 7.9155, 29.9773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 23, 151) }
```

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

```
.background{ background-color: rgb(134, 23,  
151) }
```

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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