

Converting Colors

XYZ(16.0259, 7.5687, 32.0702)

Have a look what the booklet for
XYZ(16.0259, 7.5687, 32.0702)
contains.

XYZ(15.9924, 7.5512, 32.0671)	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(15.9924, 7.5512,
32.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	87009C
RGB	135, 0, 156
RGB Percent	53%, 0%, 61%
CMY	0.4706, 1.0000, 0.3882
CMYK	0.13, 1.00, 0.00, 0.39
HSL	292°, 100%, 31%
HSV	292°, 100%, 61%
XYZ	15.9924, 7.5512, 32.0671
YIQ	58.1490, 30.3840, 77.1360

Conversions

Conversions Part 2

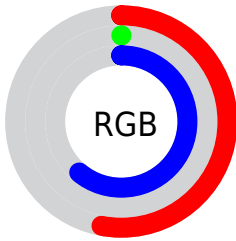
Format	Color
R_{YB}	135, 0, 156
Decimal	8847516
CIE _{Lab}	33.03, 64.70, -48.53
CIE _{LCh}	33, 80.875, 323.126
Yxy	7.5512, 0.2876, 0.1358
Android (android.graphics.Color)	4287037596 (0xFF87009C)
YUV	58.1490, 48.2405, 67.3983
Hunter-Lab	27.4794, 55.7938, -49.9528

Details

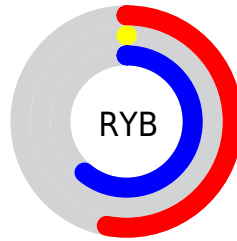
The XYZ color **15.9924, 7.5512, 32.0671** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.1980, 23.9366, 3.9776**, and the grayscale version is **3.9771, 4.1842, 4.5566**.

A 20% lighter version of the original color is **36.0805, 21.0785, 63.7949**, and **5.8070, 2.7049, 13.3127** is the 20% darker color. If you saturate the color by 10%, you get **15.9924, 7.5512, 32.0672**, and if you desaturate by 10%, it is **16.5135, 8.0864, 32.1431**.

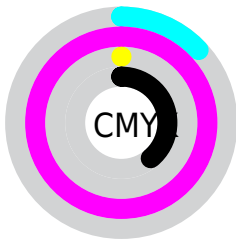
Distribution



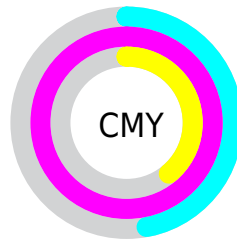
- Red (53%)
- Green (0%)
- Blue (61%)



- Red (53%)
- Yellow (0%)
- Blue (61%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (47%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9924, 7.5512, 32.0671 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 15.9924, 7.5512, 32.0671 by changing the saturation by 10% instead.

■ 15.9924, 7.5512,
32.0671

■ 15.9924, 7.5512,
32.0671

222.5681,
172.1683, 325.9269

■ 9.6096, 3.8091,
21.1475

■ 36.1426, 21.0738,
64.0154

■ 5.2012, 1.5674,
13.0396

■ 50.6406, 31.6231,
85.8812

■ 2.4017, 0.3355,
7.3248

■ 68.5745, 45.2103,
112.2328

■ 0.8460, 0.0000,
3.5845

■ 90.3095, 62.2198,
143.4887

■ 0.0000, 0.0000,
1.4003

■ 116.2110, 83.0359,
180.0676


■ 0.0000, 0.0000,
0.1419


■ 146.6444,


■ 0.0000, 0.0000,


108.0431, 222.3879


0.0000

 181.9750,
137.6258, 270.8682


 15.9924, 7.5512,
32.0671


 15.9924, 7.5512,
32.0671


 15.9924, 7.5512,
32.0672

 16.5135, 8.0864,
32.1431

 17.1774, 8.8976,
32.2646

 18.0455, 10.1073,
32.4524

 19.1431, 11.7658,
32.7147

 20.4915, 13.9158,
33.0586

■ 22.1096, 16.5953,
33.4905

■ 24.0146, 19.8381,
34.0160

■ 26.2221, 23.6757,
34.6404

■ 28.7465, 28.1368,
35.3684

Harmonies

Analogous

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



10.9241, 7.5512, 54.6178



15.9924, 7.5512, 32.0671



18.8594, 7.5512, 11.3822

Triad

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



15.9924, 7.5512, 32.0671



8.2093, 7.5512, 0.0000



1.9535, 7.5512, 21.4089

Complementary

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



15.9924, 7.5512, 32.0671



12.1980, 23.9366, 3.9776

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.



1.7111, 7.5512, 5.7086



15.9924, 7.5512, 32.0671



4.4030, 7.5512, 0.0000

Square

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



15.9924, 7.5512, 32.0671



13.3439, 7.5512, 0.0000



2.3977, 7.5512, 0.5886



3.2813, 7.5512, 45.2325

Rectangle

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



15.9924, 7.5512, 32.0671



18.5639, 7.5512, 3.9430



2.3977, 7.5512, 0.5886



1.7718, 7.5512, 14.8295

Sweetspot

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



15.9928, 7.5515, 32.0673



43.3945, 35.6484, 61.7204



6.3155, 3.0295, 31.7045



9.2405, 7.3166, 13.4956



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.9928, 7.5515, 32.0673



28.9255, 13.6526, 58.2374



16.0792, 8.0157, 13.1155



6.8163, 6.7093, 8.3424



13.1939, 6.2307, 26.4145



0.2579, 0.1228, 0.4733

Inverse Universe

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



13.8459, 7.1223, 1.3549



25.1051, 12.9187, 2.2355



12.5688, 24.0491, 7.5447



6.6676, 6.6600, 7.1008



11.4126, 5.8696, 1.1576



0.2132, 0.1086, 0.0689

Previews

White Background



This preview shows how the XYZ color 15.9924, 7.5512, 32.0671 looks on a white background.

Color Contrast Check

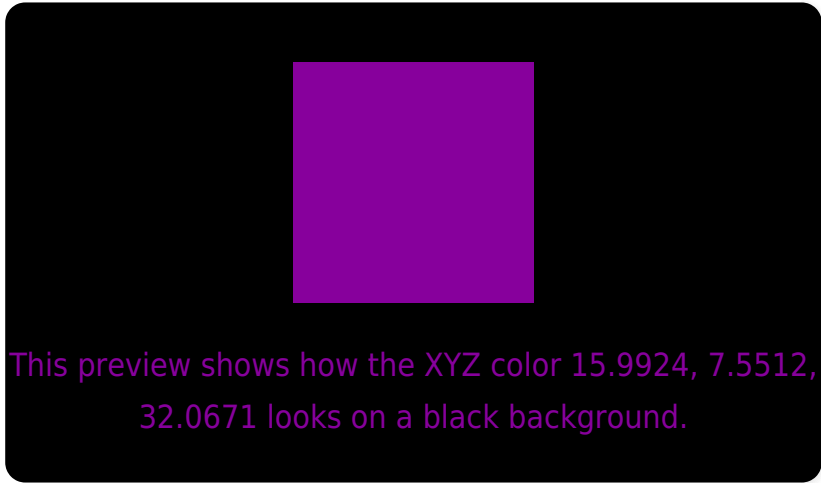
Large Text (above 18pt) WCAG AA ✓ Pass

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

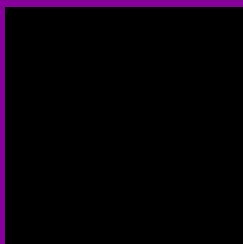
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9924, 7.5512, 32.0671

Background



This preview shows how black text looks on a background with the XYZ color 15.9924, 7.5512, 32.0671.



This preview shows how white text looks on a background with the XYZ color 15.9924, 7.5512,

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

15.9924, 7.5512, 32.0671

Protanopia

9.4252, 8.1291, 36.1943

Deuteranopia

8.1281, 8.0789, 27.9191



Tritanopia

10.7913, 7.9301, 5.9629

Trichromacy



Original Color

15.9924, 7.5512, 32.0671

Protanomaly

8.8402, 5.5074, 34.3153

Deuteranomaly

7.9194, 5.2789, 29.0353

Tritanomaly

11.6825, 6.8449, 12.2607

Monochromacy



Original Color

15.9924, 7.5512, 32.0671

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5197, 4.1097, 11.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9924, 7.5512, 32.0671 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(135, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 156)  
}
```

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(135, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.9924, 7.5512, 32.0671 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(135, 0, 156) }
```


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

```
.border{ border-color:rgb(135, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9924, 7.5512, 32.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 156) }
```

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

```
.background{ background-color: rgb(135, 0,  
156) }
```

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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