

Converting Colors

XYZ(19.9284, 9.0144, 57.8164)

Have a look what the booklet for
XYZ(19.9284, 9.0144, 57.8164)
contains.

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Color

**XYZ(19.9523, 9.0268,
57.8175)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8100CC |
| RGB | 129, 0, 204 |
| RGB Percent | 51%, 0%, 80% |
| CMY | 0.4941, 1.0000, 0.2000 |
| CMYK | 0.37, 1.00, 0.00, 0.20 |
| HSL | 278°, 100%, 40% |
| HSV | 278°, 100%, 80% |
| XYZ | 19.9523, 9.0268, 57.8175 |
| YIQ | 61.8270, 11.4000, 90.7920 |

Conversions

Conversions Part 2

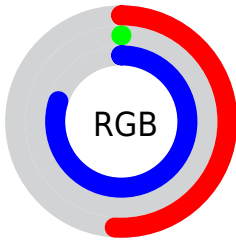
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 129, 0, 204 |
| Decimal | 8454348 |
| CIELab | 36.04, 72.87, -72.24 |
| CIElCh | 36, 102.606, 315.248 |
| Yxy | 9.0268, 0.2299, 0.1040 |
| Android (android.graphics.Color) | 4286644428 (0xFF8100CC) |
| YUV | 61.8270, 70.0913, 58.9107 |
| Hunter-Lab | 30.0446, 65.9617, -93.0657 |

Details

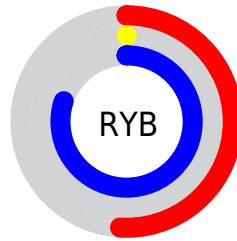
The XYZ color **19.9523, 9.0268, 57.8175** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **24.4947, 44.6818, 7.3336**, and the grayscale version is **4.4558, 4.6879, 5.1051**.

A 20% lighter version of the original color is **41.5134, 23.3601, 96.9287**, and **7.7292, 3.3671, 28.2595** is the 20% darker color. If you saturate the color by 10%, you get **19.9526, 9.0269, 57.8177**, and if you desaturate by 10%, it is **21.3916, 10.1508, 57.9588**.

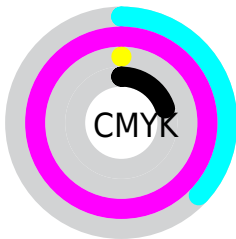
Distribution



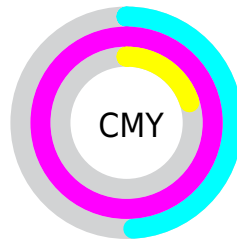
- Red (51%)
- Green (0%)
- Blue (80%)



- Red (51%)
- Yellow (0%)
- Blue (80%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9523, 9.0268, 57.8175 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 19.9523, 9.0268, 57.8175 by changing the saturation by 10% instead.

■ 19.9523, 9.0268,
57.8175

■ 19.9523, 9.0268,
57.8175

244.4953,
183.5777, 434.0848

■ 12.4684, 4.7587,
41.2482

■ 42.8417, 23.9481,
103.1692

■ 7.1380, 2.1064,
28.1919

■ 58.9780, 35.3702,
132.7887

■ 3.5957, 0.6682,
18.2301

■ 78.7292, 49.9456,
167.5953

■ 1.4760, 0.0000,
10.9442

■ 102.4606, 68.0588,
208.0077

■ 0.3094, 0.0000,
5.9156

■ 130.5375, 90.0942,
254.4443

■ 0.0000, 0.0000,
2.7259

■ 163.3254,

■ 0.0000, 0.0000,

116.4363, 307.3236

0.9564

201.1895,
147.4693, 367.0643

0.0000, 0.0000,
0.0000

19.9523, 9.0268,
57.8175

19.9523, 9.0268,
57.8175

19.9526, 9.0269,
57.8177

21.3916, 10.1508,
57.9588

23.1873, 11.8615,
58.1944

25.4347, 14.3464,
58.5555

28.1852, 17.7058,
59.0590

31.4823, 22.0245,
59.7188

■ 35.3644, 27.3771,
60.5474

■ 39.8662, 33.8303,
61.5557

■ 45.0193, 41.4456,
62.7540

■ 50.8532, 50.2795,
64.1516

Harmonies

Analogous

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



12.0639, 9.0268, 91.4659



19.9523, 9.0268, 57.8175



25.7463, 9.0268, 21.1591

Triad

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



19.9523, 9.0268, 57.8175



11.9409, 9.0268, 0.0000



1.4958, 9.0268, 21.6321

Complementary

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



19.9523, 9.0268, 57.8175



24.4947, 44.6818, 7.3336

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.



1.4876, 9.0268, 3.4996



19.9523, 9.0268, 57.8175



5.8407, 9.0268, 0.0000

Square

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



19.9523, 9.0268, 57.8175



19.8262, 9.0268, 0.0000



2.6402, 9.0268, 0.0000



2.6731, 9.0268, 58.4919

Rectangle

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



19.9523, 9.0268, 57.8175



26.4576, 9.0268, 7.0558



2.6402, 9.0268, 0.0000



1.3847, 9.0268, 13.2468

Sweetspot

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



19.9528, 9.0271, 57.8177



65.7093, 55.5708, 101.8707



13.6380, 9.8373, 58.3070



13.3591, 10.8751, 21.6449



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.9528, 9.0271, 57.8177



32.7987, 14.8232, 95.7402



33.1607, 16.1410, 44.6551



11.2721, 11.1896, 14.1361



12.6638, 5.7360, 36.3960



0.7351, 0.3381, 1.8815

Inverse Universe

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



26.1720, 13.3455, 7.8534



43.2491, 22.0636, 12.5099



21.7558, 43.2511, 8.0551



11.3800, 11.2807, 12.5356



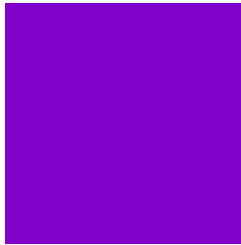
16.5141, 8.4162, 5.1600



0.8883, 0.4487, 0.4575

Previews

White Background



This preview shows how the XYZ color 19.9523, 9.0268, 57.8175 looks on a white background.

Color Contrast Check

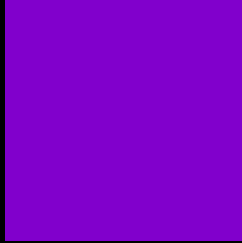
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 19.9523, 9.0268, 57.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

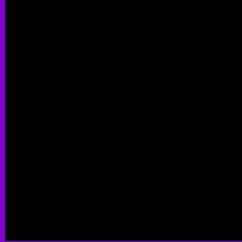
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9523, 9.0268, 57.8175

Background



This preview shows how black text looks on a background with the XYZ color 19.9523, 9.0268, 57.8175.



This preview shows how white text looks on a background with the XYZ color 19.9523, 9.0268,

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

19.9523, 9.0268, 57.8175

Deuteranopia

9.2399, 9.4118, 31.0354

Tritanopia

10.4922, 9.4734, 10.0796

Trichromacy



Original Color

19.9523, 9.0268, 57.8175

Deuteranomaly

9.9861, 6.4709, 39.2508

Tritanomaly

12.0857, 7.5300, 21.5853

Monochromacy



Original Color

19.9523, 9.0268, 57.8175

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6005, 4.6444, 16.4154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9523, 9.0268, 57.8175 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(129, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 204)  
}
```

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(129, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.9523, 9.0268, 57.8175 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(129, 0, 204) }
```

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

```
.border{ border-color:rgb(129, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
204) }
```


Background

The CSS property to change the background color of an element to XYZ 19.9523, 9.0268, 57.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 204) }
```

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

```
.background{ background-color: rgb(129, 0,  
204) }
```

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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