

Converting Colors

XYZ(23.9140, 19.4634, 39.4968)

Have a look what the booklet for
XYZ(23.9140, 19.4634, 39.4968)
contains.

XYZ(23.9320, 19.4816, 39.5448)	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(23.9320, 19.4816,
39.5448)**

Conversions

Conversions Part 1

Format	Color
Hex	906CA8
RGB	144, 108, 168
RGB Percent	56%, 42%, 66%
CMY	0.4353, 0.5765, 0.3412
CMYK	0.14, 0.36, 0.00, 0.34
HSL	276°, 26%, 54%
HSV	276°, 36%, 66%
XYZ	23.9320, 19.4816, 39.5448
YIQ	125.6040, 2.1960, 26.2920

Conversions

Conversions Part 2

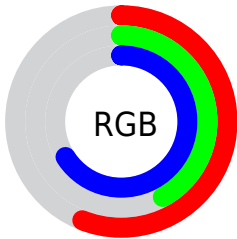
Format	Color
R_{YB}	144, 108, 168
Decimal	9465000
CIE _{Lab}	51.25, 25.88, -26.75
CIE _{LCh}	51, 37.220, 314.047
Yxy	19.4816, 0.2885, 0.2348
Android (android.graphics.Color)	4287655080 (0xFF906CA8)
YUV	125.6040, 20.9012, 16.1333
Hunter-Lab	44.1380, 19.5429, -22.2235

Details

The XYZ color **23.9320, 19.4816, 39.5448** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.2259, 33.9941, 19.3676**, and the grayscale version is **19.6284, 20.6506, 22.4885**.

A 20% lighter version of the original color is **49.4433, 42.6114, 75.4309**, and **9.1819, 6.7680, 17.3454** is the 20% darker color. If you saturate the color by 10%, you get **21.1891, 15.6863, 38.9571**, and if you desaturate by 10%, it is **27.0875, 23.9974, 40.2504**.

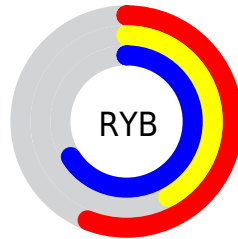
Distribution



Red (56%)

Green (42%)

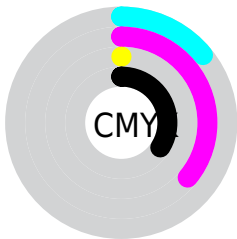
Blue (66%)



Red (56%)

Yellow (42%)

Blue (66%)

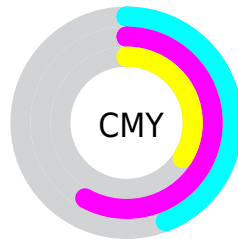


Cyan (14%)

Magenta (36%)

Yellow (0%)

Black (34%)



Cyan (44%)

Magenta (58%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9320, 19.4816, 39.5448 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 23.9320, 19.4816, 39.5448 by changing the saturation by 10% instead.

■ 23.9320, 19.4816,
39.5448

■ 23.9320, 19.4816,
39.5448

264.9234,
249.0947, 359.6961

■ 15.4076, 12.0188,
26.8727

■ 49.3747, 42.5463,
75.6993

■ 9.1942, 6.7565,
17.2461

■ 67.0237, 58.9170,
100.0189

■ 4.9262, 3.3103,
10.2463

■ 88.4451, 79.0258,
129.0580

■ 2.2383, 1.2958,
5.4548

■ 114.0040,
103.2570, 163.2352

■ 0.7628, 0.1379,
2.4531

144.0660,
131.9952, 202.9691

■ 0.0000, 0.0000,
0.8152

178.9963,

■ 0.0000, 0.0000,

165.6246, 248.6782

0.0000

219.1603,
204.5296, 300.7810

■ 23.9320, 19.4816,
39.5448

■ 23.9320, 19.4816,
39.5448

■ 21.1891, 15.6863,
38.9571

■ 27.0875, 23.9974,
40.2504

■ 18.8359, 12.5690,
38.4794

■ 30.6730, 29.2680,
41.0788

■ 16.8502, 10.0866,
38.1050

■ 34.7070, 35.3286,
42.0360

■ 15.2064, 8.1897,
37.8254

■ 39.2065, 42.2112,
43.1273

■ 13.8749, 6.8213,
37.6315

■ 44.1874, 49.9461,
44.3578

■ 12.8179, 5.9075,
37.5108

■ 49.6648, 58.5621,
45.7321

■ 12.4122, 5.5823,
37.4694

■ 55.6533, 68.0866,
47.2549

■ 62.1667, 78.5458,
48.9305

■ 67.8624, 87.2529,
50.3109

Harmonies

Analogous

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



20.3026, 19.4816, 47.8430



23.9320, 19.4816, 39.5448



26.2569, 19.4816, 27.3371

Triad

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



23.9320, 19.4816, 39.5448



20.5472, 19.4816, 7.0089



12.4230, 19.4816, 26.5671

Complementary

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



23.9320, 19.4816, 39.5448



26.2259, 33.9941, 19.3676

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.



12.4701, 19.4816, 16.0781



23.9320, 19.4816, 39.5448



16.8387, 19.4816, 6.9252

Square

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



23.9320, 19.4816, 39.5448



24.1316, 19.4816, 9.9431



13.9869, 19.4816, 9.6559



13.8482, 19.4816, 38.8214

Rectangle

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



23.9320, 19.4816, 39.5448



26.5825, 19.4816, 19.8028



13.9869, 19.4816, 9.6559



12.2737, 19.4816, 22.6868

Sweetspot

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



23.9327, 19.4824, 39.5452



58.8595, 57.8903, 75.2968



21.6405, 22.7912, 40.3047



12.6263, 12.3140, 16.3635



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.9327, 19.4824, 39.5452



39.3517, 29.6917, 70.8821



28.1225, 21.6951, 37.3561



7.5472, 7.5147, 9.4710



9.4321, 4.2459, 28.2979



0.2849, 0.1318, 0.6911

Inverse Universe

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



25.6766, 20.7168, 24.4763



43.2234, 32.4085, 38.4971



23.1683, 32.3862, 20.6538



7.6508, 7.5902, 8.4783



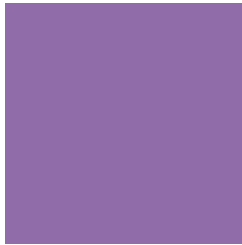
12.9883, 6.6040, 4.7498



0.3414, 0.1708, 0.2493

Previews

White Background



This preview shows how the XYZ color 23.9320, 19.4816, 39.5448 looks on a white background.

Color Contrast Check

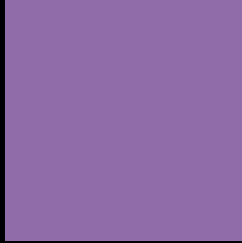
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 23.9320, 19.4816, 39.5448 looks on a black 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 × Fail

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

XYZ 23.9320, 19.4816, 39.5448

Background



This preview shows how black text looks on a background with the XYZ color 23.9320, 19.4816, 39.5448.



This preview shows how white text looks on a background with the XYZ color 23.9320, 19.4816,

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

23.9320, 19.4816, 39.5448

Protanopia

20.4613, 19.5904, 44.8224

Deuteranopia

20.1507, 19.7429, 38.8251



Tritanopia

20.4437, 19.5473, 22.4342

Trichromacy



Original Color

23.9320, 19.4816, 39.5448

Protanomaly

21.4931, 19.4687, 42.6694

Deuteranomaly

21.2465, 19.4184, 39.1875

Tritanomaly

21.6402, 19.5332, 27.8290

Monochromacy



Original Color

23.9320, 19.4816, 39.5448

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0774, 20.1033, 27.9687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9320, 19.4816, 39.5448 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(144, 108, 168)` looks like.

```
.text, #text, p{  
    color:rgb(144, 108, 168)  
}
```

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(144, 108, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 108, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.9320, 19.4816, 39.5448 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(144, 108, 168) }
```


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

```
.border{ border-color:rgb(144, 108, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 108, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 108, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 108, 168);  
box-shadow:4px 4px 4px 4px rgb(144, 108,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9320, 19.4816, 39.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 108, 168) }
```

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

```
.background{ background-color: rgb(144,  
108, 168) }
```

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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