

Converting Colors

XYZ(23.4833, 17.7148, 39.3872)

Have a look what the booklet for
XYZ(23.4833, 17.7148, 39.3872)
contains.

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Color

**XYZ(23.4682, 17.7656,
39.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	9362A8
RGB	147, 98, 168
RGB Percent	58%, 38%, 66%
CMY	0.4235, 0.6157, 0.3412
CMYK	0.12, 0.42, 0.00, 0.34
HSL	282°, 29%, 52%
HSV	282°, 42%, 66%
XYZ	23.4682, 17.7656, 39.2380
YIQ	120.6310, 6.7340, 32.1580

Conversions

Conversions Part 2

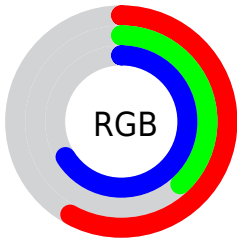
Format	Color
R_{YB}	147, 98, 168
Decimal	9659048
CIE _{Lab}	49.21, 32.60, -29.89
CIE _{LCh}	49, 44.229, 317.479
Yxy	17.7656, 0.2916, 0.2208
Android (android.graphics.Color)	4287849128 (0xFF9362A8)
YUV	120.6310, 23.3529, 23.1256
Hunter-Lab	42.1493, 25.6254, -25.6903

Details

The XYZ color **23.4682, 17.7656, 39.2380** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.8156, 32.8095, 16.6338**, and the grayscale version is **17.9813, 18.9177, 20.6014**.

A 20% lighter version of the original color is **48.5828, 39.6970, 74.9137**, and **9.0123, 5.9751, 17.2013** is the 20% darker color. If you saturate the color by 10%, you get **21.1742, 14.4897, 38.7269**, and if you desaturate by 10%, it is **26.1329, 21.7233, 39.8617**.

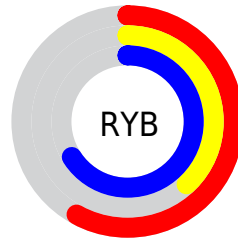
Distribution



Red (58%)

Green (38%)

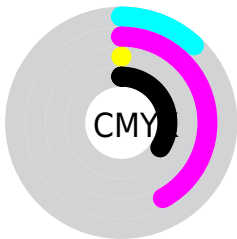
Blue (66%)



Red (58%)

Yellow (38%)

Blue (66%)

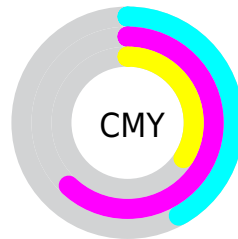


Cyan (12%)

Magenta (42%)

Yellow (0%)

Black (34%)



Cyan (42%)

Magenta (62%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4682, 17.7656, 39.2380 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 23.4682, 17.7656, 39.2380 by changing the saturation by 10% instead.

■ 23.4682, 17.7656,
39.2380

■ 23.4682, 17.7656,
39.2380

262.6114,
239.5465, 358.3574

■ 15.0622, 10.7818,
26.6357

■ 48.6220, 39.6375,
75.2261

■ 8.9496, 5.9203,
17.0698

■ 66.1005, 55.2944,
99.4490

■ 4.7652, 2.7967,
10.1218

■ 87.3339, 74.6112,
128.3824

■ 2.1435, 1.0265,
5.3731

■ 112.6875, 97.9722,
162.4450

■ 0.7127, 0.0000,
2.4053

142.5267,
125.7619, 202.0552

■ 0.0000, 0.0000,
0.7893

177.2168,

■ 0.0000, 0.0000,

158.3645, 247.6317

0.0000

217.1233,
196.1646, 299.5929

■ 23.4682, 17.7656,
39.2380

■ 23.4682, 17.7656,
39.2380

■ 21.1742, 14.4897,
38.7269

■ 26.1329, 21.7233,
39.8617

■ 19.2278, 11.8513,
38.3202

■ 29.1861, 26.3987,
40.6033

■ 17.6059, 9.8047,
38.0107

■ 32.6462, 31.8279,
41.4688

■ 16.2816, 8.2968,
37.7894

■ 36.5303, 38.0440,
42.4640

■ 15.2230, 7.2644,
37.6459

■ 40.8542, 45.0780,
43.5938

■ 14.4850, 6.6508,
37.5664

■ 45.6328, 52.9592,
44.8631

■ 50.8804, 61.7155,
46.2767

■ 56.6106, 71.3734,
47.8388

■ 62.8366, 81.9584,
49.5538

Harmonies

Analogous

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



19.3948, 17.7656, 50.3099



23.4682, 17.7656, 39.2380



25.9236, 17.7656, 24.7269

Triad

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



23.4682, 17.7656, 39.2380



18.6734, 17.7656, 4.5210



10.3667, 17.7656, 27.0424

Complementary

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



23.4682, 17.7656, 39.2380



23.8156, 32.8095, 16.6338

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.



10.2384, 17.7656, 14.8047



23.4682, 17.7656, 39.2380



14.6029, 17.7656, 4.7177

Square

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



23.4682, 17.7656, 39.2380



22.8662, 17.7656, 6.9253



11.6658, 17.7656, 7.6535



12.0510, 17.7656, 41.5185

Rectangle

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



23.4682, 17.7656, 39.2380



26.0860, 17.7656, 16.5218



11.6658, 17.7656, 7.6535



10.1514, 17.7656, 22.4699

Sweetspot

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



23.4688, 17.7663, 39.2384



58.8724, 57.1720, 75.1575



18.7024, 18.6183, 39.6540



12.6557, 12.1828, 16.3366



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.



23.4688, 17.7663, 39.2384



38.7122, 26.6967, 70.3377



26.3494, 19.3940, 32.9270



7.6195, 7.5520, 9.4744



10.9919, 5.0500, 28.3709



0.3153, 0.1476, 0.6925

Inverse Universe

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



23.8465, 18.3929, 19.7469



39.7655, 28.1525, 29.1443



21.9649, 31.7723, 20.3050



7.6203, 7.5780, 8.3177



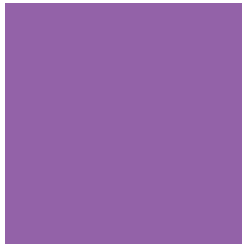
12.6563, 6.4712, 3.0015



0.3302, 0.1664, 0.1904

Previews

White Background



This preview shows how the XYZ color 23.4682, 17.7656, 39.2380 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 × Fail

Black Background



This preview shows how the XYZ color 23.4682, 17.7656, 39.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

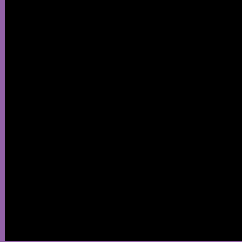
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4682, 17.7656, 39.2380

Background



This preview shows how black text looks on a background with the XYZ color 23.4682, 17.7656, 39.2380.



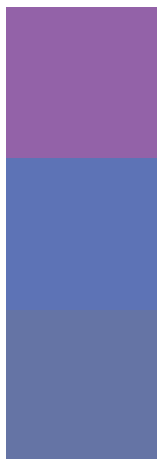
This preview shows how white text looks on a background with the XYZ color 23.4682, 17.7656,

39.2380.

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

23.4682, 17.7656, 39.2380

Protanopia

19.0884, 17.9660, 46.7177

Deuteranopia

18.4038, 17.9741, 38.0967



Tritanopia

19.3270, 17.7106, 19.2295

Trichromacy



Original Color

23.4682, 17.7656, 39.2380

Protanomaly

20.2145, 17.6223, 43.9310

Deuteranomaly

19.8228, 17.5420, 38.4176

Tritanomaly

20.6508, 17.6315, 25.6074

Monochromacy



Original Color

23.4682, 17.7656, 39.2380

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.6985, 18.3911, 26.5564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4682, 17.7656, 39.2380 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(147, 98, 168)` looks like.

```
.text, #text, p{  
    color:rgb(147, 98, 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(147, 98, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 98, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.4682, 17.7656, 39.2380 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(147, 98, 168) }
```


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

```
.border{ border-color:rgb(147, 98, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 98, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 98, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 98, 168);  
box-shadow:4px 4px 4px 4px rgb(147, 98,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4682, 17.7656, 39.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 98, 168) }
```

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

```
.background{ background-color: rgb(147, 98,  
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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