

Converting Colors

XYZ(23.7682, 19.2119, 34.7369)

Have a look what the booklet for
XYZ(23.7682, 19.2119, 34.7369)
contains.

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Color

**XYZ(23.7200, 19.1663,
34.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	956A9E
RGB	149, 106, 158
RGB Percent	58%, 42%, 62%
CMY	0.4157, 0.5843, 0.3804
CMYK	0.06, 0.33, 0.00, 0.38
HSL	290°, 21%, 52%
HSV	290°, 33%, 62%
XYZ	23.7200, 19.1663, 34.7970
YIQ	124.7850, 8.9360, 25.2880

Conversions

Conversions Part 2

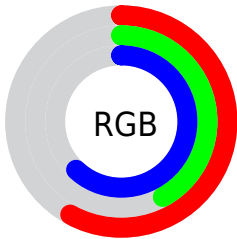
Format	Color
R_{YB}	149, 106, 158
Decimal	9792158
CIE _{Lab}	50.88, 26.51, -21.43
CIE _{LCh}	51, 34.090, 321.059
Yxy	19.1663, 0.3053, 0.2467
Android (android.graphics.Color)	4287982238 (0xFF956A9E)
YUV	124.7850, 16.3750, 21.2366
Hunter-Lab	43.7793, 20.0989, -16.4798

Details

The XYZ color **23.7200, 19.1663, 34.7970** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8993, 29.1397, 18.1070**, and the grayscale version is **19.3660, 20.3745, 22.1878**.

A 20% lighter version of the original color is **49.1389, 42.0952, 68.4861**, and **9.0443, 6.6081, 14.4345** is the 20% darker color. If you saturate the color by 10%, you get **21.7464, 15.9508, 34.2807**, and if you desaturate by 10%, it is **26.0065, 22.9895, 35.4147**.

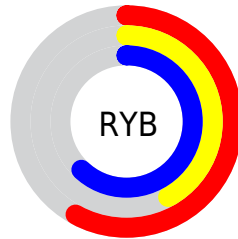
Distribution



Red (58%)

Green (42%)

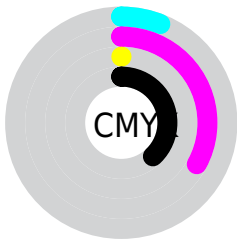
Blue (62%)



Red (58%)

Yellow (42%)

Blue (62%)

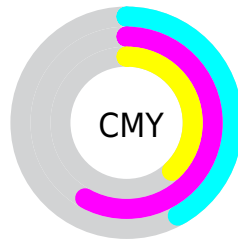


Cyan (6%)

Magenta (33%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (58%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7200, 19.1663, 34.7970 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 23.7200, 19.1663, 34.7970 by changing the saturation by 10% instead.

■ 23.7200, 19.1663,
34.7970

■ 23.7200, 19.1663,
34.7970

263.8686,
247.3653, 338.5484

■ 15.2497, 11.7905,
23.2242

■ 49.0309, 42.0149,
68.3192

■ 9.0822, 6.6012,
14.5523

■ 66.6022, 58.2565,
91.1057

■ 4.8524, 3.2140,
8.3627

■ 87.9378, 78.2222,
118.4671

■ 2.1948, 1.2444,
4.2368

■ 113.4031,
102.2963, 150.8222

■ 0.7400, 0.0976,
1.7561

143.3635,
130.8633, 188.5893

■ 0.0000, 0.0000,
0.3988

178.1843,

■ 0.0000, 0.0000,

164.3075, 232.1870

0.0000

218.2309,
203.0134, 282.0338

■ 23.7200, 19.1663,
34.7970

■ 23.7200, 19.1663,
34.7970

■ 21.7464, 15.9508,
34.2807

■ 26.0065, 22.9895,
35.4147

■ 20.0674, 13.3075,
33.8589

■ 28.6195, 27.4484,
36.1377

■ 18.6653, 11.2009,
33.5262

■ 31.5737, 32.5723,
36.9710

■ 17.5199, 9.5907,
33.2758

■ 34.8827, 38.3879,
37.9191

■ 16.6081, 8.4308,
33.1000

■ 38.5590, 44.9204,
38.9862

■ 15.9023, 7.6662,
32.9896

■ 42.6148, 52.1939,
40.1764

■ 15.4782, 7.2663,
32.9348

■ 47.0616, 60.2311,
41.4934

■ 51.9102, 69.0539,
42.9408

■ 57.1713, 78.6834,
44.5222

Harmonies

Analogous

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



20.6392, 19.1663, 43.3442



23.7200, 19.1663, 34.7970



25.3758, 19.1663, 23.8796

Triad

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



23.7200, 19.1663, 34.7970



19.2400, 19.1663, 7.4051



12.8271, 19.1663, 28.2509

Complementary

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



23.7200, 19.1663, 34.7970



21.8993, 29.1397, 18.1070

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.



12.5497, 19.1663, 18.1225



23.7200, 19.1663, 34.7970



15.9921, 19.1663, 7.9236

Square

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



23.7200, 19.1663, 34.7970



22.5882, 19.1663, 9.5296



13.6386, 19.1663, 11.2636



14.4496, 19.1663, 38.8282

Rectangle

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



23.7200, 19.1663, 34.7970



25.3241, 19.1663, 17.5161



13.6386, 19.1663, 11.2636



12.5821, 19.1663, 24.6242

Sweetspot

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



23.7206, 19.1671, 34.7974



53.3661, 52.2496, 66.0159



18.3080, 17.9172, 34.8414



11.8767, 11.5126, 14.8398



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.7206, 19.1671, 34.7974



40.5602, 30.6895, 62.5294



24.1027, 19.5170, 27.9053



6.7915, 6.6965, 8.3413



12.4254, 5.8346, 26.3785



0.2493, 0.1183, 0.4729

Inverse Universe

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



22.3498, 18.8159, 18.6745



37.7959, 30.0128, 28.5879



21.7133, 28.9351, 23.0058



6.6776, 6.6640, 7.1534



11.4655, 5.8908, 1.4364



0.2164, 0.1099, 0.0858

Previews

White Background



This preview shows how the XYZ color 23.7200, 19.1663, 34.7970 looks on a white background.

Color Contrast Check

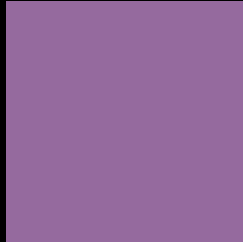
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7200, 19.1663, 34.7970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

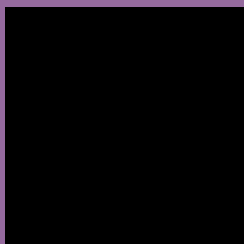
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7200, 19.1663, 34.7970

Background



This preview shows how black text looks on a background with the XYZ color 23.7200, 19.1663, 34.7970.



This preview shows how white text looks on a background with the XYZ color 23.7200, 19.1663,

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

23.7200, 19.1663, 34.7970

Protanopia

19.8478, 19.3859, 39.7416

Deuteranopia

19.5835, 19.2050, 33.6851



Tritanopia

20.9196, 19.1447, 21.0051

Trichromacy



Original Color

23.7200, 19.1663, 34.7970

Protanomaly

20.8576, 19.0794, 37.7053

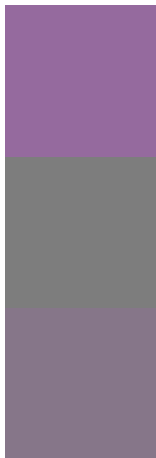
Deuteranomaly

20.7705, 18.9470, 34.0149

Tritanomaly

21.8032, 19.0121, 25.4422

Monochromacy



Original Color

23.7200, 19.1663, 34.7970

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.8253, 19.8313, 26.3971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7200, 19.1663, 34.7970 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(149, 106, 158)` looks like.

```
.text, #text, p{  
    color:rgb(149, 106, 158)  
}
```

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(149, 106, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 106, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.7200, 19.1663, 34.7970 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(149, 106, 158) }
```


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

```
.border{ border-color:rgb(149, 106, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 106, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 106, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 106, 158);  
box-shadow:4px 4px 4px 4px rgb(149, 106,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7200, 19.1663, 34.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 106, 158) }
```

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

```
.background{ background-color: rgb(149,  
106, 158) }
```

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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