

Converting Colors

XYZ(23.9920, 19.4199, 36.6663)

Have a look what the booklet for
XYZ(23.9920, 19.4199, 36.6663)
contains.

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Color

**XYZ(23.9920, 19.4199,
36.6663)**

Conversions

Conversions Part 1

Format	Color
Hex	946BA2
RGB	148, 107, 162
RGB Percent	58%, 42%, 64%
CMY	0.4196, 0.5804, 0.3647
CMYK	0.09, 0.34, 0.00, 0.36
HSL	285°, 23%, 53%
HSV	285°, 34%, 64%
XYZ	23.9920, 19.4199, 36.6663
YIQ	125.5290, 6.7810, 25.7970

Conversions

Conversions Part 2

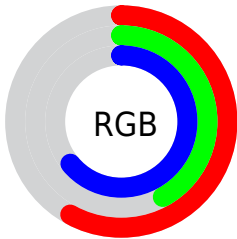
Format	Color
R_{YB}	148, 107, 162
Decimal	9726882
CIE _{Lab}	51.17, 26.45, -23.33
CIE _{LCh}	51, 35.264, 318.589
Yxy	19.4199, 0.2996, 0.2425
Android (android.graphics.Color)	4287916962 (0xFF946BA2)
YUV	125.5290, 17.9802, 19.7071
Hunter-Lab	44.0680, 20.0619, -18.4840

Details

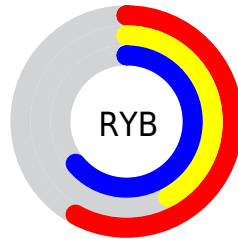
The XYZ color **23.9920, 19.4199, 36.6663** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.4600, 30.9676, 18.6517**, and the grayscale version is **19.6115, 20.6328, 22.4691**.

A 20% lighter version of the original color is **49.5511, 42.5025, 71.2378**, and **9.2023, 6.7405, 15.5679** is the 20% darker color. If you saturate the color by 10%, you get **21.7262, 15.9755, 36.1212**, and if you desaturate by 10%, it is **26.6021, 23.5125, 37.3190**.

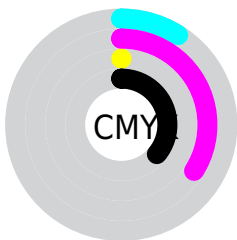
Distribution



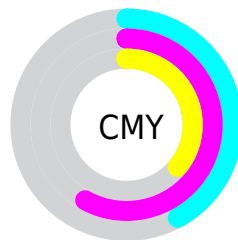
- Red (58%)
- Green (42%)
- Blue (64%)



- Red (58%)
- Yellow (42%)
- Blue (64%)



- Cyan (9%)
- Magenta (34%)
- Yellow (0%)
- Black (36%)



- Cyan (42%)
- Magenta (58%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9920, 19.4199, 36.6663 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 23.9920, 19.4199, 36.6663 by changing the saturation by 10% instead.

■ 23.9920, 19.4199,
36.6663

■ 23.9920, 19.4199,
36.6663

265.2213,
248.7571, 346.9886

■ 15.4524, 11.9741,
24.6555

■ 49.4719, 42.4424,
71.2398

■ 9.2259, 6.7260,
15.6039

■ 67.1429, 58.7879,
94.6396

■ 4.9471, 3.2914,
9.0930

■ 88.5885, 78.8688,
122.6728

■ 2.2507, 1.2857,
4.7042

■ 114.1739,
103.0694, 155.7579

■ 0.7693, 0.1301,
2.0191

144.2645,
131.7741, 194.3135

■ 0.0000, 0.0000,
0.5670

179.2257,

■ 0.0000, 0.0000,

165.3674, 238.7581

0.0000

219.4228,
204.2336, 289.5103

■ 23.9920, 19.4199,
36.6663

■ 23.9920, 19.4199,
36.6663

■ 21.7262, 15.9755,
36.1212

■ 26.6021, 23.5125,
37.3190

■ 19.7847, 13.1412,
35.6764

■ 29.5712, 28.2836,
38.0834

■ 18.1485, 10.8789,
35.3260

■ 32.9154, 33.7647,
38.9651

■ 16.7956, 9.1449,
35.0626

■ 36.6492, 39.9843,
39.9688

■ 15.7007, 7.8891,
34.8779

■ 40.7863, 46.9696,
41.0991

■ 14.8336, 7.0516,
34.7620

■ 45.3397, 54.7462,
42.3601

■ 14.3738, 6.6566,
34.7100

■ 50.3220, 63.3386,
43.7560

■ 55.7450, 72.7704,
45.2907

■ 61.6201, 83.0638,
46.9679

Harmonies

Analogous

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



20.6924, 19.4199, 45.2431



23.9920, 19.4199, 36.6663



25.8894, 19.4199, 25.2011

Triad

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



23.9920, 19.4199, 36.6663



19.8247, 19.4199, 7.3008



12.7753, 19.4199, 27.9189

Complementary

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



23.9920, 19.4199, 36.6663



23.4600, 30.9676, 18.6517

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.



12.6051, 19.4199, 17.5493



23.9920, 19.4199, 36.6663



16.3906, 19.4199, 7.6132

Square

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



23.9920, 19.4199, 36.6663



23.2879, 19.4199, 9.7155



13.8481, 19.4199, 10.7696



14.3469, 19.4199, 39.1900

Rectangle

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



23.9920, 19.4199, 36.6663



25.9617, 19.4199, 18.3896



13.8481, 19.4199, 10.7696



12.5604, 19.4199, 24.1626

Sweetspot

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



23.9926, 19.4207, 36.6667



55.8848, 54.9326, 69.7137



19.5044, 19.5726, 36.9326



12.3729, 12.0460, 15.6105



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.9926, 19.4207, 36.6667



40.2830, 30.2618, 65.7741



25.5967, 20.3728, 31.0873



7.1875, 7.1110, 8.8968



11.3651, 5.2654, 27.3471



0.2785, 0.1311, 0.5765

Inverse Universe

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



23.6098, 19.5780, 20.6245



39.6317, 30.6857, 31.4223



22.3644, 30.3190, 22.3905



7.1443, 7.1142, 7.7464



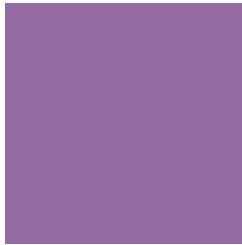
12.0727, 6.1851, 2.3077



0.2716, 0.1371, 0.1426

Previews

White Background



This preview shows how the XYZ color 23.9920, 19.4199, 36.6663 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 23.9920, 19.4199, 36.6663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

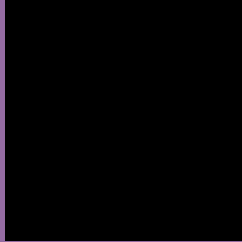
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9920, 19.4199, 36.6663

Background



This preview shows how black text looks on a background with the XYZ color 23.9920, 19.4199, 36.6663.



This preview shows how white text looks on a background with the XYZ color 23.9920, 19.4199,

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

23.9920, 19.4199, 36.6663

Protanopia

20.1067, 19.4757, 41.7292

Deuteranopia

19.9139, 19.5136, 35.5178



Tritanopia

20.9242, 19.4675, 21.7236

Trichromacy



Original Color

23.9920, 19.4199, 36.6663

Protanomaly

21.0838, 19.1536, 39.6316

Deuteranomaly

21.0801, 19.2352, 35.8594

Tritanomaly

21.8832, 19.3526, 26.6268

Monochromacy



Original Color

23.9920, 19.4199, 36.6663

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0885, 20.1261, 27.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9920, 19.4199, 36.6663 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(148, 107, 162)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 162)  
}
```

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(148, 107, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 162) }
```

Border

The CSS property to change the border of an element to XYZ 23.9920, 19.4199, 36.6663 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(148, 107, 162) }
```


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

```
.border{ border-color:rgb(148, 107, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 107, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 162);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9920, 19.4199, 36.6663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 162) }
```

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

```
.background{ background-color: rgb(148,  
107, 162) }
```

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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