

Converting Colors

XYZ(23.7888, 19.9397, 33.4676)

Have a look what the booklet for
XYZ(23.7888, 19.9397, 33.4676)
contains.

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Color

**XYZ(23.7051, 19.8143,
33.5855)**

Conversions

Conversions Part 1

Format	Color
Hex	946E9B
RGB	148, 110, 155
RGB Percent	58%, 43%, 61%
CMY	0.4196, 0.5686, 0.3922
CMYK	0.05, 0.29, 0.00, 0.39
HSL	291°, 18%, 52%
HSV	291°, 29%, 61%
XYZ	23.7051, 19.8143, 33.5855
YIQ	126.4920, 8.2030, 22.0510

Conversions

Conversions Part 2

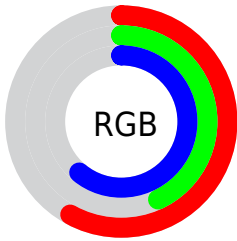
Format	Color
R_{YB}	148, 110, 155
Decimal	9727643
CIE _{Lab}	51.63, 23.24, -18.54
CIE _{LCh}	52, 29.723, 321.421
Yxy	19.8143, 0.3074, 0.2570
Android (android.graphics.Color)	4287917723 (0xFF946E9B)
YUV	126.4920, 14.0544, 18.8625
Hunter-Lab	44.5133, 17.1602, -13.5754

Details

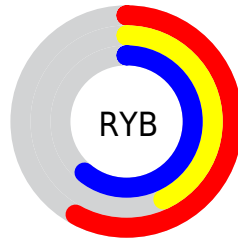
The XYZ color **23.7051, 19.8143, 33.5855** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8725, 28.3508, 19.0722**, and the grayscale version is **19.9509, 20.9899, 22.8580**.

A 20% lighter version of the original color is **49.1818, 43.1903, 66.7172**, and **9.1511, 6.9861, 13.9628** is the 20% darker color. If you saturate the color by 10%, you get **21.7454, 16.5353, 33.0562**, and if you desaturate by 10%, it is **25.9677, 23.6848, 34.2136**.

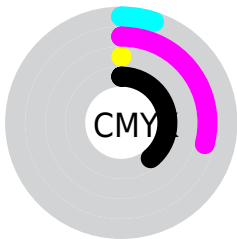
Distribution



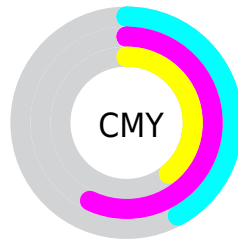
- Red (58%)
- Green (43%)
- Blue (61%)



- Red (58%)
- Yellow (43%)
- Blue (61%)



- Cyan (5%)
- Magenta (29%)
- Yellow (0%)
- Black (39%)



- Cyan (42%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7051, 19.8143, 33.5855 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 23.7051, 19.8143, 33.5855 by changing the saturation by 10% instead.

■ 23.7051, 19.8143,
33.5855

■ 23.7051, 19.8143,
33.5855

263.7944,
250.9080, 332.9924

■ 15.2386, 12.2601,
22.3006

■ 49.0067, 43.1056,
66.4151

■ 9.0744, 6.9211,
13.8775

■ 66.5725, 59.6116,
88.7968

■ 4.8472, 3.4128,
7.8977

■ 87.9021, 79.8702,
115.7145

■ 2.1917, 1.3509,
3.9427

■ 113.3608,
104.2660, 147.5868

■ 0.7384, 0.1801,
1.5940

143.3141,
133.1833, 184.8322

■ 0.0000, 0.0000,
0.2865

178.1272,

■ 0.0000, 0.0000,

167.0064, 227.8693

0.0000

218.1655,
206.1199, 277.1165

■ 23.7051, 19.8143,
33.5855

■ 23.7051, 19.8143,
33.5855

■ 21.7454, 16.5353,
33.0562

■ 25.9677, 23.6848,
34.2136

■ 20.0714, 13.8147,
32.6193

■ 28.5454, 28.1724,
34.9440

■ 18.6671, 11.6200,
32.2697

■ 31.4522, 33.3046,
35.7814

■ 17.5140, 9.9145,
32.0013

■ 34.7005, 39.1061,
36.7300

■ 16.5913, 8.6567,
31.8071

■ 38.3023, 45.6006,
37.7937

■ 15.8746, 7.7978,
31.6791

■ 42.2686, 52.8105,
38.9763

■ 15.3121, 7.2345,
31.6000

■ 46.6104, 60.7573,
40.2813

■ 15.2596, 7.1832,
31.5929

■ 51.3379, 69.4614,
41.7122

■ 56.4609, 78.9425,
43.2723

Harmonies

Analogous

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



21.0162, 19.8143, 40.8672



23.7051, 19.8143, 33.5855



25.1231, 19.8143, 24.1305

Triad

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



23.7051, 19.8143, 33.5855



19.7055, 19.8143, 9.0267



13.9628, 19.8143, 28.1785

Complementary

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



23.7051, 19.8143, 33.5855



21.8725, 28.3508, 19.0722

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.



13.6914, 19.8143, 19.2055



23.7051, 19.8143, 33.5855



16.8063, 19.8143, 9.5716

Square

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



23.7051, 19.8143, 33.5855



22.6587, 19.8143, 11.0759



14.6787, 19.8143, 12.8345



15.4639, 19.8143, 37.2137

Rectangle

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



23.7051, 19.8143, 33.5855



25.0631, 19.8143, 18.4695



14.6787, 19.8143, 12.8345



13.7315, 19.8143, 25.0091

Sweetspot

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



23.7057, 19.8152, 33.5859



51.0502, 50.3287, 62.5601



18.7673, 18.5218, 33.5966



11.4043, 11.1278, 14.1172



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.7057, 19.8152, 33.5859



40.0602, 31.4648, 59.4982



23.8277, 20.0147, 27.4189



6.3668, 6.2750, 7.8046



12.2825, 5.7829, 25.3766



0.2060, 0.0980, 0.3804

Inverse Universe

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



22.3050, 19.4056, 19.4004



37.1928, 30.6474, 29.5109



21.8541, 28.2388, 23.7016



6.2460, 6.2376, 6.6757



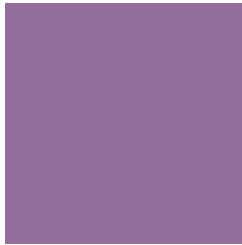
11.0004, 5.6544, 1.2614



0.1732, 0.0880, 0.0648

Previews

White Background



This preview shows how the XYZ color 23.7051, 19.8143, 33.5855 looks on a white background.

Color Contrast Check

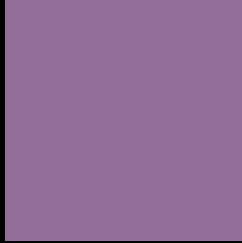
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7051, 19.8143, 33.5855 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 23.7051, 19.8143, 33.5855

Background



This preview shows how black text looks on a background with the XYZ color 23.7051, 19.8143, 33.5855.



This preview shows how white text looks on a background with the XYZ color 23.7051, 19.8143,

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

23.7051, 19.8143, 33.5855

Protanopia

20.3425, 20.0441, 37.9187

Deuteranopia

20.3329, 19.9677, 32.9195



Tritanopia

21.4487, 19.9007, 22.1128

Trichromacy



Original Color

23.7051, 19.8143, 33.5855

Protanomaly

21.3689, 19.8900, 36.4311

Deuteranomaly

21.3999, 19.8015, 33.2660

Tritanomaly

22.1383, 19.8319, 25.9537

Monochromacy



Original Color

23.7051, 19.8143, 33.5855

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0633, 20.3074, 26.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7051, 19.8143, 33.5855 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, 110, 155)` looks like.

```
.text, #text, p{  
    color:rgb(148, 110, 155)  
}
```

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, 110, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 110, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.7051, 19.8143, 33.5855 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, 110, 155) }
```


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

```
.border{ border-color:rgb(148, 110, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 110, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 110, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 110, 155);  
box-shadow:4px 4px 4px 4px rgb(148, 110,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7051, 19.8143, 33.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 110, 155) }
```

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

```
.background{ background-color: rgb(148,  
110, 155) }
```

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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