

Converting Colors

XYZ(23.8752, 19.0434, 37.0677)

Have a look what the booklet for
XYZ(23.8752, 19.0434, 37.0677)
contains.

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Color

**XYZ(23.8752, 19.0434,
37.0677)**

Conversions

Conversions Part 1

Format	Color
Hex	9469A3
RGB	148, 105, 163
RGB Percent	58%, 41%, 64%
CMY	0.4196, 0.5882, 0.3608
CMYK	0.09, 0.36, 0.00, 0.36
HSL	284°, 24%, 53%
HSV	284°, 36%, 64%
XYZ	23.8752, 19.0434, 37.0677
YIQ	124.4690, 7.0100, 27.1540

Conversions

Conversions Part 2

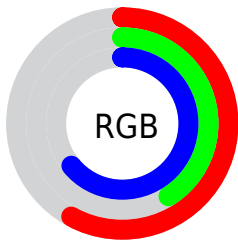
Format	Color
R_{YB}	148, 105, 163
Decimal	9726371
CIE _{Lab}	50.74, 27.82, -24.58
CIE _{LCh}	51, 37.124, 318.530
Yxy	19.0434, 0.2985, 0.2381
Android (android.graphics.Color)	4287916451 (0xFF9469A3)
YUV	124.4690, 18.9958, 20.6367
Hunter-Lab	43.6387, 21.2914, -19.8151

Details

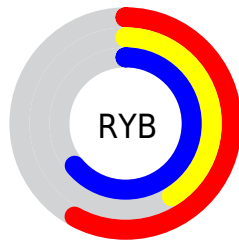
The XYZ color **23.8752, 19.0434, 37.0677** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.3933, 31.2078, 18.1562**, and the grayscale version is **19.2521, 20.2547, 22.0574**.

A 20% lighter version of the original color is **49.3405, 41.8724, 71.8113**, and **9.1562, 6.5607, 15.8227** is the 20% darker color. If you saturate the color by 10%, you get **21.6229, 15.6499, 36.5317**, and if you desaturate by 10%, it is **26.4747, 23.0893, 37.7119**.

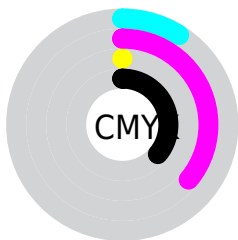
Distribution



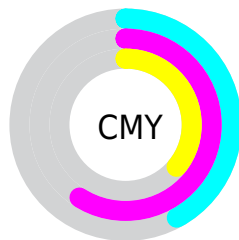
- Red (58%)
- Green (41%)
- Blue (64%)



- Red (58%)
- Yellow (41%)
- Blue (64%)



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



- Cyan (42%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8752, 19.0434, 37.0677 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 23.8752, 19.0434, 37.0677 by changing the saturation by 10% instead.

■ 23.8752, 19.0434,
37.0677

■ 23.8752, 19.0434,
37.0677

264.6411,
246.6882, 348.7810

■ 15.3653, 11.7016,
24.9637

■ 49.2826, 41.8074,
71.8644

■ 9.1641, 6.5409,
15.8312

■ 66.9109, 57.9985,
95.3942

■ 4.9064, 3.1767,
9.2518

■ 88.3093, 77.9081,
123.5696

■ 2.2266, 1.2246,
4.8067

■ 113.8432,
101.9206, 156.8093

■ 0.7567, 0.0817,
2.0776

143.8780,
130.4205, 195.5318

■ 0.0000, 0.0000,
0.6024

178.7790,

■ 0.0000, 0.0000,

163.7922, 240.1555

0.0000

218.9116,
202.4200, 291.0991

■ 23.8752, 19.0434,
37.0677

■ 23.8752, 19.0434,
37.0677

■ 21.6229, 15.6499,
36.5317

■ 26.4747, 23.0893,
37.7119

■ 19.6974, 12.8696,
36.0965

■ 29.4367, 27.8188,
38.4687

■ 18.0790, 10.6631,
35.7559

■ 32.7777, 33.2642,
39.3437

■ 16.7448, 8.9852,
35.5024

■ 36.5124, 39.4548,
40.3417

■ 15.6685, 7.7835,
35.3272

■ 40.6552, 46.4184,
41.4675

■ 14.8159, 6.9902,
35.2190

■ 45.2192, 54.1813,
42.7253

■ 14.4745, 6.6982,
35.1806

■ 50.2173, 62.7686,
44.1194

■ 55.6615, 72.2041,
45.6537

■ 61.5636, 82.5109,
47.3321

Harmonies

Analogous

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



20.4198, 19.0434, 46.1790



23.8752, 19.0434, 37.0677



25.8732, 19.0434, 24.9876

Triad

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



23.8752, 19.0434, 37.0677



19.5298, 19.0434, 6.6299



12.2356, 19.0434, 27.7894

Complementary

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



23.8752, 19.0434, 37.0677



23.3933, 31.2078, 18.1562

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.



12.0644, 19.0434, 16.9946



23.8752, 19.0434, 37.0677



15.9632, 19.0434, 6.9335

Square

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



23.8752, 19.0434, 37.0677



23.1488, 19.0434, 9.0394



13.3407, 19.0434, 10.0817



13.8448, 19.0434, 39.7016

Rectangle

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



23.8752, 19.0434, 37.0677



25.9525, 19.0434, 17.8984



13.3407, 19.0434, 10.0817



12.0168, 19.0434, 23.8565

Sweetspot

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



23.8758, 19.0442, 37.0681



55.2523, 53.9287, 69.5533



19.2100, 19.1939, 37.3429



12.2400, 11.8366, 15.5771



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.



23.8758, 19.0442, 37.0681



39.4003, 29.0291, 65.5827



25.6185, 20.0753, 31.1547



7.1847, 7.1096, 8.8967



11.2931, 5.2283, 27.3437



0.2774, 0.1305, 0.5764

Inverse Universe

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



23.5466, 19.2465, 20.2439



38.8919, 29.5516, 30.1108



22.2253, 30.5188, 22.0263



7.1455, 7.1146, 7.7524



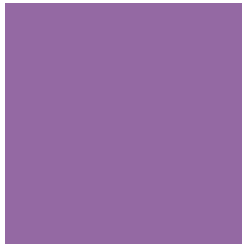
12.0821, 6.1889, 2.3570



0.2720, 0.1373, 0.1447

Previews

White Background



This preview shows how the XYZ color 23.8752, 19.0434, 37.0677 looks on a white background.

Color Contrast Check

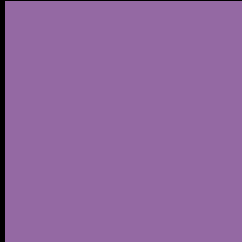
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8752, 19.0434, 37.0677 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 23.8752, 19.0434, 37.0677

Background



This preview shows how black text looks on a background with the XYZ color 23.8752, 19.0434, 37.0677.



This preview shows how white text looks on a background with the XYZ color 23.8752, 19.0434,

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

23.8752, 19.0434, 37.0677

Protanopia

19.8303, 19.1332, 42.6923

Deuteranopia

19.4975, 19.1112, 35.9189



Tritanopia

20.5733, 18.9662, 20.9889

Trichromacy



Original Color

23.8752, 19.0434, 37.0677

Protanomaly

20.8808, 18.8588, 40.5698

Deuteranomaly

20.7625, 18.8929, 36.2706

Tritanomaly

21.5929, 18.8873, 26.1745

Monochromacy



Original Color

23.8752, 19.0434, 37.0677

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.6216, 19.5441, 26.7303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8752, 19.0434, 37.0677 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, 105, 163)` looks like.

```
.text, #text, p{  
    color:rgb(148, 105, 163)  
}
```

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, 105, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 105, 163) }
```

Border

The CSS property to change the border of an element to XYZ 23.8752, 19.0434, 37.0677 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, 105, 163) }
```


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

```
.border{ border-color:rgb(148, 105, 163) }
```

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

Here you see how a box with a 4 pixel rgb(148, 105, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 105, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 105, 163);  
box-shadow:4px 4px 4px 4px rgb(148, 105,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8752, 19.0434, 37.0677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 105, 163) }
```

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

```
.background{ background-color: rgb(148,  
105, 163) }
```

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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