

Converting Colors

XYZ(23.9136, 18.0164, 31.1696)

Have a look what the booklet for
XYZ(23.9136, 18.0164, 31.1696)
contains.

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Color

**XYZ(23.8803, 18.0205,
31.0738)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6196
RGB	158, 97, 150
RGB Percent	62%, 38%, 59%
CMY	0.3804, 0.6196, 0.4118
CMYK	0.00, 0.39, 0.05, 0.38
HSL	308°, 24%, 50%
HSV	308°, 39%, 62%
XYZ	23.8803, 18.0205, 31.0738
YIQ	121.2810, 19.3430, 29.4150

Conversions

Conversions Part 2

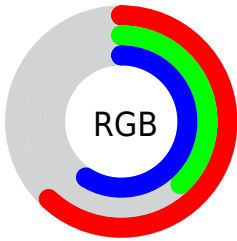
Format	Color
R _Y B	158, 97, 150
Decimal	10379670
CIE Lab	49.52, 33.09, -18.71
CIE LCh	50, 38.009, 330.512
Yxy	18.0205, 0.3272, 0.2469
Android (android.graphics.Color)	4288569750 (0xFF9E6196)
YUV	121.2810, 14.1585, 32.2026
Hunter-Lab	42.4506, 26.1256, -13.6849

Details

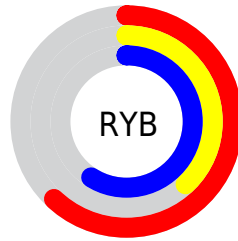
The XYZ color **23.8803, 18.0205, 31.0738** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.7072, 28.0157, 17.7347**, and the grayscale version is **18.2166, 19.1653, 20.8710**.

A 20% lighter version of the original color is **49.3781, 40.1507, 62.2741**, and **9.1348, 6.0180, 12.4845** is the 20% darker color. If you saturate the color by 10%, you get **22.3980, 15.3202, 29.7637**, and if you desaturate by 10%, it is **25.6575, 21.3051, 32.4971**.

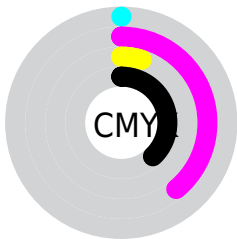
Distribution



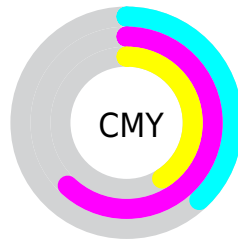
- Red (62%)
- Green (38%)
- Blue (59%)



- Red (62%)
- Yellow (38%)
- Blue (59%)



- Cyan (0%)
- Magenta (39%)
- Yellow (5%)
- Black (38%)





- Cyan (38%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8803, 18.0205, 31.0738 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 23.8803, 18.0205, 31.0738 by changing the saturation by 10% instead.

 23.8803, 18.0205,
31.0738


 23.8803, 18.0205,
31.0738


264.6665,
240.9866, 321.2399


 15.3691, 10.9647,
20.3961

 49.2909, 40.0723,
62.4372


 9.1668, 6.0431,
12.4964


 66.9210, 55.8370,
83.9600

 4.9081, 2.8713,
6.9561


 88.3215, 75.2735,
109.9348

 2.2277, 1.0649,
3.3566

 113.8576, 98.7662,
140.7804

 0.7573, 0.0000,
1.2795

143.8949,
126.6995, 176.9151

 0.0000, 0.0000,
0.0449

178.7985,

 0.0000, 0.0000,

159.4577, 218.7576

0.0000

218.9339,
197.4253, 266.7263

■ 23.8803, 18.0205,
31.0738

■ 23.8803, 18.0205,
31.0738

■ 22.3980, 15.3202,
29.7637

■ 25.6575, 21.3051,
32.4971

■ 21.1914, 13.1671,
28.5599

■ 27.7438, 25.2035,
34.0378

■ 20.2420, 11.5236,
27.4562

■ 30.1545, 29.7460,
35.7015

■ 19.5280, 10.3464,
26.4453

■ 32.9036, 34.9603,
37.4926

■ 19.0241, 9.5847,
25.5188

■ 36.0039, 40.8723,
39.4158

■ 18.6808, 9.1395,
24.6599

■ 39.4678, 47.5068,
41.4750

■ 18.6360, 9.0833,
24.5423

■ 43.3071, 54.8870,
43.6744

■ 47.5329, 63.0355,
46.0177

■ 52.1561, 71.9737,
48.5085

Harmonies

Analogous

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



20.8845, 18.0205, 42.1076



23.8803, 18.0205, 31.0738



25.0155, 18.0205, 19.4447

Triad

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



23.8803, 18.0205, 31.0738



17.0662, 18.0205, 5.7327



11.8343, 18.0205, 31.4925

Complementary

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



23.8803, 18.0205, 31.0738



19.7072, 28.0157, 17.7347

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.



11.1017, 18.0205, 19.7989



23.8803, 18.0205, 31.0738



13.8513, 18.0205, 7.0266

Square

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



23.8803, 18.0205, 31.0738



20.7624, 18.0205, 6.9377



11.7860, 18.0205, 11.3979



13.9445, 18.0205, 42.4030

Rectangle

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



23.8803, 18.0205, 31.0738



24.4556, 18.0205, 13.4673



11.7860, 18.0205, 11.3979



11.4331, 18.0205, 27.4116

Sweetspot

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



23.8809, 18.0213, 31.0742



53.1014, 50.8860, 63.7101



16.1696, 13.9690, 34.1923



11.8515, 11.2456, 14.2808



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.



23.8809, 18.0213, 31.0742



41.0972, 28.5861, 54.4422



21.7895, 17.1847, 20.0609



6.8667, 6.7396, 8.1492



14.9356, 7.2788, 19.7097



0.2765, 0.1339, 0.4020

Inverse Universe

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



23.8809, 18.0213, 31.0742



41.0972, 28.5861, 54.4422



21.5036, 28.7343, 27.1941



6.8667, 6.7396, 8.1492



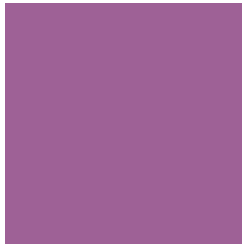
14.9356, 7.2788, 19.7097



0.2765, 0.1339, 0.4020

Previews

White Background



This preview shows how the XYZ color 23.8803, 18.0205, 31.0738 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 23.8803, 18.0205, 31.0738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

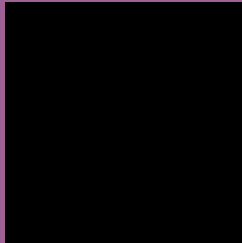
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8803, 18.0205, 31.0738

Background



This preview shows how black text looks on a background with the XYZ color 23.8803, 18.0205, 31.0738.



This preview shows how white text looks on a background with the XYZ color 23.8803, 18.0205,

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

23.8803, 18.0205, 31.0738

Protanopia

18.8617, 18.3822, 38.1513

Deuteranopia

18.5821, 18.2422, 30.1455



Tritanopia

21.1691, 18.0677, 17.9945

Trichromacy



Original Color

23.8803, 18.0205, 31.0738

Protanomaly

20.2333, 17.9750, 35.6608

Deuteranomaly

20.1740, 17.9007, 30.4089

Tritanomaly

22.0348, 17.9777, 22.0473

Monochromacy



Original Color

23.8803, 18.0205, 31.0738

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.7905, 18.3226, 24.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8803, 18.0205, 31.0738 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(158, 97, 150)` looks like.

```
.text, #text, p{  
    color:rgb(158, 97, 150)  
}
```

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(158, 97, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 97, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.8803, 18.0205, 31.0738 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(158, 97, 150) }
```


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

```
.border{ border-color:rgb(158, 97, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 97, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 97, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 97, 150);  
box-shadow:4px 4px 4px 4px rgb(158, 97,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8803, 18.0205, 31.0738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 97, 150) }
```

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

```
.background{ background-color: rgb(158, 97,  
150) }
```

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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