

Converting Colors

XYZ(23.3619, 11.2510, 38.1637)

Have a look what the booklet for
XYZ(23.3619, 11.2510, 38.1637)
contains.

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Color

**XYZ(23.2380, 11.1954,
37.9819)**

Conversions

Conversions Part 1

Format	Color
Hex	A802A8
RGB	168, 2, 168
RGB Percent	66%, 1%, 66%
CMY	0.3412, 0.9921, 0.3412
CMYK	0.00, 0.99, 0.00, 0.34
HSL	300°, 98%, 33%
HSV	300°, 99%, 66%
XYZ	23.2380, 11.1954, 37.9819
YIQ	70.5580, 45.6500, 86.8180

Conversions

Conversions Part 2

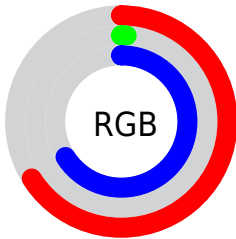
Format	Color
RYB	168, 2, 168
Decimal	11010728
CIELab	39.91, 71.67, -44.40
CIElCh	40, 84.305, 328.223
Yxy	11.1954, 0.3209, 0.1546
Android (android.graphics.Color)	4289200808 (0xFFA802A8)
YUV	70.5580, 48.0389, 85.4566
Hunter-Lab	33.4595, 65.4160, -43.8819

Details

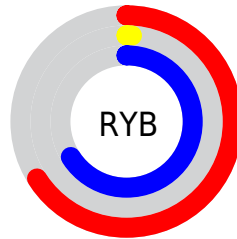
The XYZ color **23.2380, 11.1954, 37.9819** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.0391, 28.0231, 4.7271**, and the grayscale version is **5.8333, 6.1371, 6.6833**.

A 20% lighter version of the original color is **48.3034, 28.0534, 73.3900**, and **9.6501, 4.6173, 16.6023** is the 20% darker color. If you saturate the color by 10%, you get **23.2165, 11.1521, 37.9748**, and if you desaturate by 10%, it is **23.4464, 11.6117, 38.0515**.

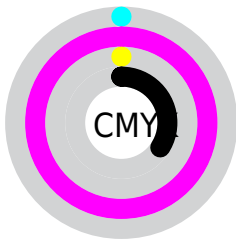
Distribution



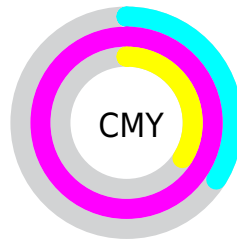
- Red (66%)
- Green (1%)
- Blue (66%)



- Red (66%)
- Yellow (1%)
- Blue (66%)



- Cyan (0%)
- Magenta (99%)
- Yellow (0%)
- Black (34%)





- Cyan (34%)
- Magenta (99%)
- Yellow (34%)
- Black (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2380, 11.1954, 37.9819 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 23.2380, 11.1954, 37.9819 by changing the saturation by 10% instead.


 23.2380, 11.1954,
37.9819


 23.2380, 11.1954,
37.9819


261.4576,
199.0033, 352.8382


 14.8910, 6.1984,
25.6669


 48.2476, 28.0209,
73.2835


 8.8287, 2.9661,
16.3511


 65.6409, 40.6183,
97.1072

 4.6859, 1.1141,
9.6159


 86.7804, 56.5179,
125.6043

 2.0970, 0.0000,
5.0428

 112.0314, 76.1041,
159.1931

 0.6876, 0.0000,
2.2132

 141.7593, 99.7613,
198.2924

 0.0000, 0.0000,
0.6820

 176.3294,

 0.0000, 0.0000,

127.8740, 243.3207

0.0000

216.1070,
160.8265, 294.6964

■ 23.2380, 11.1954,
37.9819

■ 23.2380, 11.1954,
37.9819

■ 23.2165, 11.1521,
37.9748

■ 23.4464, 11.6117,
38.0515

■ 23.8360, 12.3909,
38.1814

■ 24.4634, 13.6457,
38.3905

■ 25.3582, 15.4354,
38.6888

■ 26.5459, 17.8108,
39.0848

■ 28.0489, 20.8167,
39.5858

■ 29.8874, 24.4937,
40.1987

■ 32.0800, 28.8789,
40.9296

■ 34.6439, 34.0066,
41.7842

Harmonies

Analogous

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



16.8441, 11.1954, 67.6672



23.2380, 11.1954, 37.9819



26.1615, 11.1954, 13.2090

Triad

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



23.2380, 11.1954, 37.9819



10.9910, 11.1954, 0.0000



3.5223, 11.1954, 34.4332

Complementary

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



23.2380, 11.1954, 37.9819



14.0391, 28.0231, 4.7271

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.



2.9267, 11.1954, 11.2246



23.2380, 11.1954, 37.9819



6.1852, 11.1954, 0.0000

Square

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



23.2380, 11.1954, 37.9819



17.6721, 11.1954, 0.0000



3.6907, 11.1954, 1.9133



5.7767, 11.1954, 64.6046

Rectangle

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



23.2380, 11.1954, 37.9819



25.1640, 11.1954, 4.6743



3.6907, 11.1954, 1.9133



3.1676, 11.1954, 25.1764

Sweetspot

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



23.2385, 11.1959, 37.9821



53.6043, 43.1867, 72.7355



7.1152, 2.8840, 37.2279



11.3836, 8.8131, 15.7532



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.2385, 11.1959, 37.9821



42.1294, 20.2369, 68.9101



17.8106, 9.0248, 9.3996



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6767



0.4266, 0.2049, 0.6977

Inverse Universe

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



23.2385, 11.1959, 37.9821



42.1294, 20.2369, 68.9101



15.6682, 28.6747, 13.3054



7.8419, 7.6666, 9.4848



17.5320, 8.4215, 28.6767



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 23.2380, 11.1954, 37.9819 looks on a white background.

Color Contrast Check

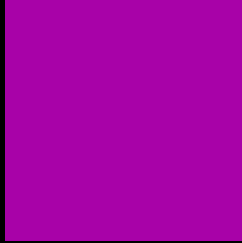
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2380, 11.1954, 37.9819 looks on a black 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

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

XYZ 23.2380, 11.1954, 37.9819

Background



This preview shows how black text looks on a background with the XYZ color 23.2380, 11.1954, 37.9819.



This preview shows how white text looks on a background with the XYZ color 23.2380, 11.1954,

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

23.2380, 11.1954, 37.9819

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

12.1912, 11.9176, 34.0055



Tritanopia

16.9583, 11.5067, 7.1216

Trichromacy



Original Color

23.2380, 11.1954, 37.9819



Protanomaly

12.4033, 7.7690, 47.3002



Deuteranomaly

13.2812, 8.6506, 35.1521



Tritanomaly

18.1633, 10.3454, 14.6752

Monochromacy



Original Color

23.2380, 11.1954, 37.9819



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

9.5224, 6.0588, 14.3032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2380, 11.1954, 37.9819 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(168, 2, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 2, 168)  
}
```

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(168, 2, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 2, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.2380, 11.1954, 37.9819 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(168, 2, 168) }
```


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

```
.border{ border-color:rgb(168, 2, 168) }
```

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

Here you see how a box with a 4 pixel rgb(168, 2, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 2, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 2, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 2,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2380, 11.1954, 37.9819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 2, 168) }
```

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

```
.background{ background-color: rgb(168, 2,  
168) }
```

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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