

Converting Colors

XYZ(23.4893, 15.7950, 38.8572)

Have a look what the booklet for
XYZ(23.4893, 15.7950, 38.8572)
contains.

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Color

**XYZ(23.4116, 15.7318,
38.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	9A52A8
RGB	154, 82, 168
RGB Percent	60%, 32%, 66%
CMY	0.3961, 0.6784, 0.3412
CMYK	0.08, 0.51, 0.00, 0.34
HSL	290°, 34%, 49%
HSV	290°, 51%, 66%
XYZ	23.4116, 15.7318, 38.8484
YIQ	113.3320, 15.3060, 42.0100

Conversions

Conversions Part 2

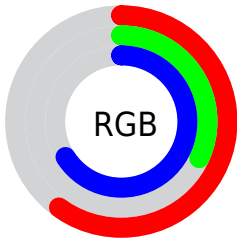
Format	Color
RYB	154, 82, 168
Decimal	10113704
CIELab	46.62, 43.51, -33.89
CIELCh	47, 55.147, 322.088
Yxy	15.7318, 0.3002, 0.2017
Android (android.graphics.Color)	4288303784 (0xFF9A52A8)
YUV	113.3320, 26.9513, 35.6658
Hunter-Lab	39.6633, 35.9502, -30.3075

Details

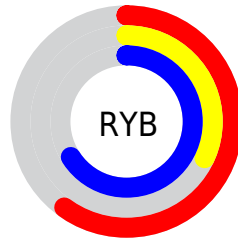
The XYZ color **23.4116, 15.7318, 38.8484** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.3500, 31.1017, 12.9141**, and the grayscale version is **15.7144, 16.5328, 18.0042**.

A 20% lighter version of the original color is **48.5580, 36.1337, 74.9362**, and **8.9513, 4.9845, 16.7100** is the 20% darker color. If you saturate the color by 10%, you get **21.7819, 13.2360, 38.4528**, and if you desaturate by 10%, it is **25.3644, 18.8553, 39.3486**.

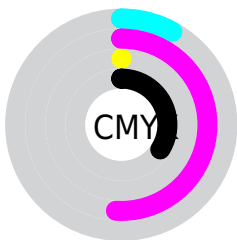
Distribution



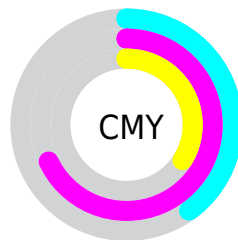
- Red (60%)
- Green (32%)
- Blue (66%)



- Red (60%)
- Yellow (32%)
- Blue (66%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (34%)



- Cyan (40%)
- Magenta (68%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4116, 15.7318, 38.8484 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 23.4116, 15.7318, 38.8484 by changing the saturation by 10% instead.

■ 23.4116, 15.7318,
38.8484

■ 23.4116, 15.7318,
38.8484

262.3281,
227.7539, 356.6522

■ 15.0201, 9.3346,
26.3349

■ 48.5300, 36.1320,
74.6245

■ 8.9199, 4.9600,
16.8463

■ 65.9876, 50.9037,
98.7241

■ 4.7457, 2.2238,
9.9642

■ 87.1979, 69.2357,
127.5228

■ 2.1320, 0.7329,
5.2699

■ 112.5263, 91.5124,
161.4392

■ 0.7065, 0.0000,
2.3450

■ 142.3382,
118.1182, 200.8918

■ 0.0000, 0.0000,
0.7563

176.9989,

■ 0.0000, 0.0000,

149.4374, 246.2992

0.0000

216.8737,
185.8545, 298.0798

■ 23.4116, 15.7318,
38.8484

■ 23.4116, 15.7318,
38.8484

■ 21.7819, 13.2360,
38.4528

■ 25.3644, 18.8553,
39.3486

■ 20.4506, 11.3198,
38.1531

■ 27.6594, 22.6460,
39.9593

■ 19.3918, 9.9313,
37.9409

■ 30.3162, 27.1424,
40.6872

■ 18.5744, 9.0085,
37.8059

■ 33.3524, 32.3796,
41.5381

■ 17.9933, 8.4594,
37.7305

■ 36.7843, 38.3903,
42.5174

■ 40.6274, 45.2052,
43.6302

■ 44.8963, 52.8534,
44.8815

■ 49.6049, 61.3624,
46.2757

■ 54.7662, 70.7586,
47.8173

Harmonies

Analogous

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



18.6705, 15.7318, 54.7779



23.4116, 15.7318, 38.8484



25.9913, 15.7318, 21.0022

Triad

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



23.4116, 15.7318, 38.8484



16.2499, 15.7318, 2.0660



7.9665, 15.7318, 29.0165

Complementary

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



23.4116, 15.7318, 38.8484



20.3500, 31.1017, 12.9141

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.



7.5880, 15.7318, 13.7644



23.4116, 15.7318, 38.8484



11.7642, 15.7318, 2.5029

Square

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



23.4116, 15.7318, 38.8484



21.3205, 15.7318, 3.6450



8.8247, 15.7318, 5.5335



9.9986, 15.7318, 47.3039

Rectangle

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



23.4116, 15.7318, 38.8484



25.8240, 15.7318, 12.1995



8.8247, 15.7318, 5.5335



7.6620, 15.7318, 23.2350

Sweetspot

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



23.4122, 15.7325, 38.8487



58.1856, 54.7069, 74.7179



14.7616, 13.0485, 38.7866



12.4402, 11.5069, 16.2175



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.



23.4122, 15.7325, 38.8487



39.2791, 23.6517, 69.7201



23.8508, 16.2339, 26.4310



7.7202, 7.6039, 9.4791



13.6241, 6.4069, 28.4941



0.3624, 0.1718, 0.6947

Inverse Universe

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



21.2776, 15.2046, 12.8804



35.2638, 22.7549, 16.5273



20.3338, 30.9399, 19.8439



7.5791, 7.5615, 8.1007



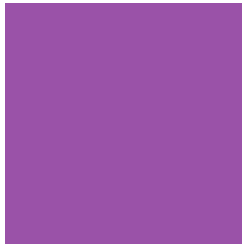
12.3603, 6.3528, 1.4431



0.3149, 0.1602, 0.1097

Previews

White Background



This preview shows how the XYZ color 23.4116, 15.7318, 38.8484 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 23.4116, 15.7318, 38.8484 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 23.4116, 15.7318, 38.8484

Background



This preview shows how black text looks on a background with the XYZ color 23.4116, 15.7318, 38.8484.



This preview shows how white text looks on a background with the XYZ color 23.4116, 15.7318,

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

23.4116, 15.7318, 38.8484

Protanopia

17.5906, 15.9426, 51.4403

Deuteranopia

16.3066, 15.9201, 36.8638



Tritanopia

18.5945, 15.7750, 15.4294

Trichromacy



Original Color

23.4116, 15.7318, 38.8484

Protanomaly

18.6026, 15.2261, 46.7582

Deuteranomaly

18.1588, 15.3417, 37.6015

Tritanomaly

19.9362, 15.5087, 22.3648

Monochromacy



Original Color

23.4116, 15.7318, 38.8484

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.8871, 15.7854, 24.2944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4116, 15.7318, 38.8484 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(154, 82, 168)` looks like.

```
.text, #text, p{  
    color:rgb(154, 82, 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(154, 82, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 82, 168) }
```

Border

The CSS property to change the border of an element to XYZ 23.4116, 15.7318, 38.8484 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(154, 82, 168) }
```


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

```
.border{ border-color:rgb(154, 82, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 82, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 82, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 82, 168);  
box-shadow:4px 4px 4px 4px rgb(154, 82,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4116, 15.7318, 38.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 82, 168) }
```

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

```
.background{ background-color: rgb(154, 82,  
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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