

Converting Colors

XYZ(24.0438, 11.3694, 47.4653)

Have a look what the booklet for
XYZ(24.0438, 11.3694, 47.4653)
contains.

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Color

**XYZ(23.9672, 11.3317,
47.3784)**

Conversions

Conversions Part 1

Format	Color
Hex	A300BA
RGB	163, 0, 186
RGB Percent	64%, 0%, 73%
CMY	0.3608, 1.0000, 0.2706
CMYK	0.12, 1.00, 0.00, 0.27
HSL	293°, 100%, 36%
HSV	293°, 100%, 73%
XYZ	23.9672, 11.3317, 47.3784
YIQ	69.9410, 37.4420, 92.4020

Conversions

Conversions Part 2

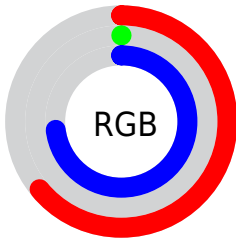
Format	Color
R_{YB}	163, 0, 186
Decimal	10682554
CIE _{Lab}	40.13, 73.93, -54.77
CIE _{LCh}	40, 92.009, 323.466
Yxy	11.3317, 0.2899, 0.1371
Android (android.graphics.Color)	4288872634 (0xFFA300BA)
YUV	69.9410, 57.2171, 81.6127
Hunter-Lab	33.6626, 68.1795, -59.8839

Details

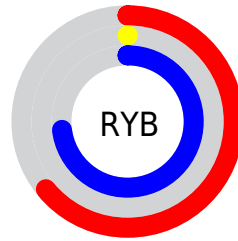
The XYZ color **23.9672, 11.3317, 47.3784** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **17.9127, 35.3003, 5.8699**, and the grayscale version is **5.7169, 6.0146, 6.5499**.

A 20% lighter version of the original color is **49.4722, 28.3413, 87.6570**, and **10.1087, 4.7301, 22.2100** is the 20% darker color. If you saturate the color by 10%, you get **23.9673, 11.3317, 47.3786**, and if you desaturate by 10%, it is **24.6692, 12.0297, 47.4763**.

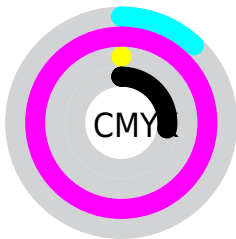
Distribution



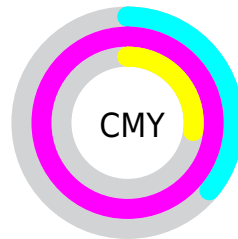
- Red (64%)
- Green (0%)
- Blue (73%)



- Red (64%)
- Yellow (0%)
- Blue (73%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)





- Cyan (36%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9672, 11.3317, 47.3784 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 23.9672, 11.3317, 47.3784 by changing the saturation by 10% instead.


 23.9672, 11.3317,
47.3784

 23.9672, 11.3317,
47.3784

265.0982,
199.9293, 392.7603


 15.4339, 6.2904,
32.9784


 49.4317, 28.2719,
87.6341


 9.2128, 3.0225,
21.8389


 67.0937, 40.9396,
114.3268


 4.9384, 1.1435,
13.5414


 88.5292, 56.9183,
145.9543

 2.2456, 0.0148,
7.6673

 114.1037, 76.5923,
182.9349

 0.7666, 0.0000,
3.7981

 144.1825,
100.3460, 225.6873

 0.0000, 0.0000,
1.5153

 179.1309,

 0.0000, 0.0000,

128.5638, 274.6299

0.2293

219.3143,
161.6301, 330.1815

■ 0.0000, 0.0000,
0.0000

■ 23.9672, 11.3317,
47.3784

■ 23.9672, 11.3317,
47.3784

■ 23.9673, 11.3317,
47.3786

■ 24.6692, 12.0297,
47.4763

■ 25.5950, 13.1628,
47.6462

■ 26.8244, 14.8905,
47.9149

■ 28.3970, 17.2916,
48.2955

■ 30.3460, 20.4326,
48.7990

■ 32.7009, 24.3721,
49.4353

■ 35.4879, 29.1630,
50.2132

■ 38.7313, 34.8534,
51.1406

■ 42.4533, 41.4878,
52.2250

Harmonies

Analogous

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



16.4416, 11.3317, 80.9495



23.9672, 11.3317, 47.3784



28.1706, 11.3317, 16.7912

Triad

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



23.9672, 11.3317, 47.3784



12.2299, 11.3317, 0.0000



2.9739, 11.3317, 32.3254

Complementary

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



23.9672, 11.3317, 47.3784



17.9127, 35.3003, 5.8699

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.



2.5943, 11.3317, 8.7517



23.9672, 11.3317, 47.3784



6.5811, 11.3317, 0.0000

Square

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



23.9672, 11.3317, 47.3784



19.8657, 11.3317, 0.0000



3.6070, 11.3317, 1.0090



4.9868, 11.3317, 67.7118

Rectangle

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



23.9672, 11.3317, 47.3784



27.6837, 11.3317, 5.8239



3.6070, 11.3317, 1.0090



2.6954, 11.3317, 22.4811

Sweetspot

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



23.9677, 11.3322, 47.3786



64.0501, 52.3842, 90.9368



9.2067, 4.2325, 46.7863



13.6156, 10.6903, 19.8884



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.9677, 11.3322, 47.3786



43.3009, 20.4667, 85.8697



23.5083, 11.7428, 18.1064



9.2687, 9.1049, 11.3483



16.1673, 7.6458, 31.8767



0.6009, 0.2855, 1.1252

Inverse Universe

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



20.4047, 10.5013, 1.7627



36.9376, 19.0150, 2.9488



18.6089, 35.5379, 11.3809



9.0486, 9.0298, 9.6033



13.7429, 7.0709, 1.2671



0.4993, 0.2552, 0.1225

Previews

White Background



This preview shows how the XYZ color 23.9672, 11.3317, 47.3784 looks on a white background.

Color Contrast Check

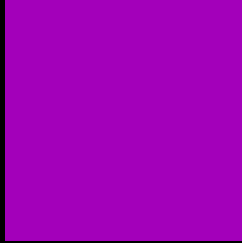
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9672, 11.3317, 47.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

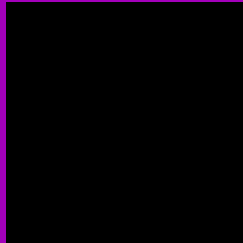
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.9672, 11.3317, 47.3784

Background



This preview shows how black text looks on a background with the XYZ color 23.9672, 11.3317, 47.3784.



This preview shows how white text looks on a background with the XYZ color 23.9672, 11.3317,

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

23.9672, 11.3317, 47.3784

Protanopia

14.0807, 12.0366, 54.4045

Deuteranopia

12.2748, 12.0575, 42.2378



Tritanopia

16.1521, 11.7047, 8.6157

Trichromacy



Original Color

23.9672, 11.3317, 47.3784



Protanomaly

13.0451, 8.0118, 51.3110



Deuteranomaly

11.9641, 7.8664, 43.5356



Tritanomaly

17.5143, 10.1084, 17.8576

Monochromacy



Original Color

23.9672, 11.3317, 47.3784



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5719, 5.9897, 15.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9672, 11.3317, 47.3784 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(163, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 186)  
}
```

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(163, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 23.9672, 11.3317, 47.3784 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(163, 0, 186) }
```


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

```
.border{ border-color:rgb(163, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9672, 11.3317, 47.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 186) }
```

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

```
.background{ background-color: rgb(163, 0,  
186) }
```

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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