

Converting Colors

XYZ(23.1883, 11.0495, 41.9608)

Have a look what the booklet for
XYZ(23.1883, 11.0495, 41.9608)
contains.

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Color

**XYZ(23.1463, 11.0271,
41.9828)**

Conversions

Conversions Part 1

Format	Color
Hex	A400B0
RGB	164, 0, 176
RGB Percent	64%, 0%, 69%
CMY	0.3569, 0.9999, 0.3098
CMYK	0.07, 1.00, 0.00, 0.31
HSL	296°, 100%, 35%
HSV	296°, 100%, 69%
XYZ	23.1463, 11.0271, 41.9828
YIQ	69.1000, 41.2480, 89.5040

Conversions

Conversions Part 2

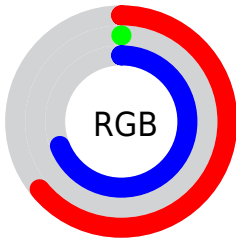
Format	Color
R_{YB}	164, 0, 176
Decimal	10748080
CIE Lab	39.63, 72.47, -49.66
CIE LCh	40, 87.853, 325.578
Yxy	11.0271, 0.3039, 0.1448
Android (android.graphics.Color)	4288938160 (0xFFA400B0)
YUV	69.1000, 52.7017, 83.2273
Hunter-Lab	33.2071, 66.3073, -51.7138

Details

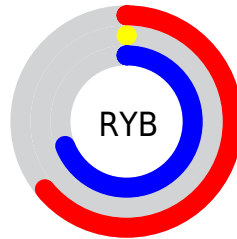
The XYZ color **23.1463, 11.0271, 41.9828** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.6773, 31.1291, 5.1827**, and the grayscale version is **5.5864, 5.8773, 6.4004**.

A 20% lighter version of the original color is **48.0902, 27.7007, 79.1561**, and **9.5763, 4.5309, 18.7822** is the 20% darker color. If you saturate the color by 10%, you get **23.1464, 11.0271, 41.9830**, and if you desaturate by 10%, it is **23.6056, 11.5758, 42.0647**.

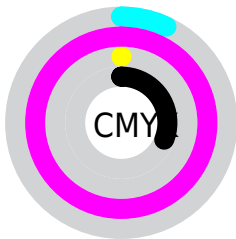
Distribution



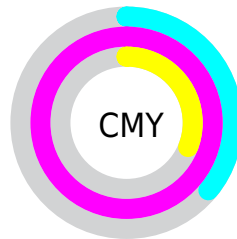
- Red (64%)
- Green (0%)
- Blue (69%)



- Red (64%)
- Yellow (0%)
- Blue (69%)



- Cyan (7%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)





- Cyan (36%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1463, 11.0271, 41.9828 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 23.1463, 11.0271, 41.9828 by changing the saturation by 10% instead.


 23.1463, 11.0271,
41.9828


 23.1463, 11.0271,
41.9828

260.9969,
197.8534, 370.2092


 14.8229, 6.0851,
28.7624


 48.0983, 27.7103,
79.4434

 8.7807, 2.8969,
18.6571


 65.4576, 40.2202,
104.5206


 4.6544, 1.0781,
11.2485


 86.5596, 56.0215,
134.3872

 2.0786, 0.0000,
6.1179

 111.7696, 75.4987,
169.4617

 0.6775, 0.0000,
2.8470

 141.4530, 99.0361,
210.1626

 0.0000, 0.0000,
1.0170

 175.9750,

 0.0000, 0.0000,

127.0180, 256.9084

0.0000

215.7012,
159.8290, 310.1178

■ 23.1463, 11.0271,
41.9828

■ 23.1463, 11.0271,
41.9828

■ 23.1464, 11.0271,
41.9830

■ 23.6056, 11.5758,
42.0647

■ 24.2540, 12.4998,
42.2088

■ 25.1649, 13.9452,
42.4398

■ 26.3723, 15.9802,
42.7690

■ 27.9054, 18.6628,
43.2060

■ 29.7895, 22.0442,
43.7593

■ 32.0477, 26.1702,
44.4367

■ 34.7011, 31.0830,
45.2451

■ 37.7691, 36.8214,
46.1911

Harmonies

Analogous

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



16.2833, 11.0271, 73.1305



23.1463, 11.0271, 41.9828



26.6747, 11.0271, 14.7344

Triad

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



23.1463, 11.0271, 41.9828



11.3945, 11.0271, 0.0000



3.1452, 11.0271, 32.6284

Complementary

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



23.1463, 11.0271, 41.9828



15.6773, 31.1291, 5.1827

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.



2.6796, 11.0271, 9.6382



23.1463, 11.0271, 41.9828



6.2523, 11.0271, 0.0000

Square

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



23.1463, 11.0271, 41.9828



18.4355, 11.0271, 0.0000



3.5604, 11.0271, 1.3461



5.2242, 11.0271, 64.9702

Rectangle

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



23.1463, 11.0271, 41.9828



25.9563, 11.0271, 5.1468



3.5604, 11.0271, 1.3461



2.8394, 11.0271, 23.2260

Sweetspot

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



23.1468, 11.0276, 41.9830



57.8874, 47.0290, 80.5218



8.0031, 3.4674, 41.3219



12.1653, 9.4955, 17.3360



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.1468, 11.0276, 41.9830



41.9012, 19.9590, 76.1393



20.3365, 10.2032, 13.6437



8.7917, 8.6167, 10.7061



17.0028, 8.1011, 30.8045



0.5520, 0.2636, 0.9700

Inverse Universe

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



17.9712, 9.2571, 1.1879



32.5638, 16.7768, 1.9985



16.7396, 31.5365, 11.5679



8.5191, 8.5144, 8.9659



13.1940, 6.7952, 0.9158



0.4229, 0.2169, 0.0695

Previews

White Background



This preview shows how the XYZ color 23.1463, 11.0271, 41.9828 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

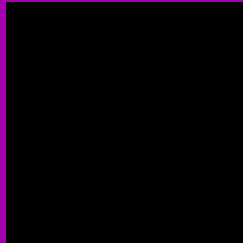
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1463, 11.0271, 41.9828

Background



This preview shows how black text looks on a background with the XYZ color 23.1463, 11.0271, 41.9828.



This preview shows how white text looks on a background with the XYZ color 23.1463, 11.0271,

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

23.1463, 11.0271, 41.9828

Protanopia

13.7647, 11.7688, 53.1759

Deuteranopia

11.9807, 11.7374, 37.2314



Tritanopia

16.3130, 11.4261, 7.8242

Trichromacy



Original Color

23.1463, 11.0271, 41.9828



Protanomaly

12.5045, 7.7194, 48.4079



Deuteranomaly

12.7218, 8.2883, 38.4654



Tritanomaly

17.4802, 10.0170, 16.0511

Monochromacy



Original Color

23.1463, 11.0271, 41.9828



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3164, 5.8271, 14.8211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1463, 11.0271, 41.9828 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(164, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 0, 176)  
}
```

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(164, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.1463, 11.0271, 41.9828 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(164, 0, 176) }
```


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

```
.border{ border-color:rgb(164, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(164, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1463, 11.0271, 41.9828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 0, 176) }
```

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

```
.background{ background-color: rgb(164, 0,  
176) }
```

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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