

Converting Colors

XYZ(23.4974, 11.6017, 24.2185)

Have a look what the booklet for
XYZ(23.4974, 11.6017, 24.2185)
contains.

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Color

**XYZ(23.5000, 11.6013,
24.2932)**

Conversions

Conversions Part 1

Format	Color
Hex	B50088
RGB	181, 0, 136
RGB Percent	71%, 0%, 53%
CMY	0.2902, 0.9999, 0.4667
CMYK	0.00, 1.00, 0.25, 0.29
HSL	315°, 100%, 35%
HSV	315°, 100%, 71%
XYZ	23.5000, 11.6013, 24.2932
YIQ	69.6230, 64.2200, 80.6680

Conversions

Conversions Part 2

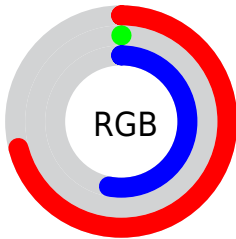
Format	Color
RYB	181, 0, 136
Decimal	11862152
CIELab	40.58, 69.96, -23.76
CIELCh	41, 73.885, 341.242
Yxy	11.6013, 0.3957, 0.1953
Android (android.graphics.Color)	4290052232 (0xFFB50088)
YUV	69.6230, 32.7239, 97.6776
Hunter-Lab	34.0607, 63.5490, -18.4451

Details

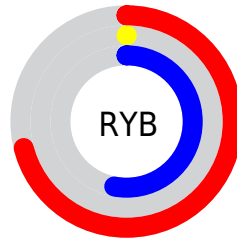
The XYZ color **23.5000, 11.6013, 24.2932** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **16.9984, 33.2378, 8.0047**, and the grayscale version is **5.7015, 5.9985, 6.5323**.

A 20% lighter version of the original color is **48.7402, 28.7591, 51.6974**, and **9.8481, 4.8828, 9.2275** is the 20% darker color. If you saturate the color by 10%, you get **23.4997, 11.6012, 24.2911**, and if you desaturate by 10%, it is **24.0451, 12.1687, 26.0865**.

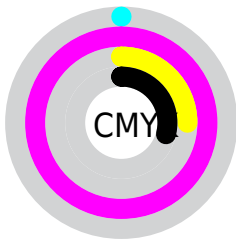
Distribution



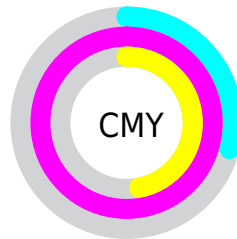
- Red (71%)
- Green (0%)
- Blue (53%)



- Red (71%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5000, 11.6013, 24.2932 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 23.5000, 11.6013, 24.2932 by changing the saturation by 10% instead.

■ 23.5000, 11.6013,
24.2932

■ 23.5000, 11.6013,
24.2932

262.7704,
201.7476, 287.6336

■ 15.0859, 6.4728,
15.3371

■ 48.6737, 28.7668,
51.4581

■ 8.9664, 3.1347,
8.9070

■ 66.1639, 41.5727,
70.5038

■ 4.7762, 1.2024,
4.5846

■ 87.4102, 57.7064,
93.7499

■ 2.1500, 0.0637,
1.9512

■ 112.7780, 77.5525,
121.6148

■ 0.7162, 0.0000,
0.5250

■ 142.6325,
101.4952, 154.5171

■ 0.0000, 0.0000,
0.0000

■ 177.3392,

129.9191, 192.8753

217.2634,
163.2084, 237.1080

■ 23.5000, 11.6013,
24.2932

■ 23.5000, 11.6013,
24.2932

■ 23.4997, 11.6012,
24.2911

■ 24.0451, 12.1687,
26.0865

■ 24.8048, 13.1436,
28.0182

■ 25.8555, 14.6785,
30.1149

■ 27.2340, 16.8468,
32.3894

■ 28.9717, 19.7109,
34.8530

■ 31.0961, 23.3257,
37.5156

■ 33.6318, 27.7402,
40.3861

■ 36.6017, 32.9998,
43.4729

■ 40.0266, 39.1461,
46.7836

Harmonies

Analogous

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



19.0416, 11.6013, 48.8423



23.5000, 11.6013, 24.2932



24.0677, 11.6013, 7.8216

Triad

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



23.5000, 11.6013, 24.2932



9.1859, 11.6013, 0.0000



5.0769, 11.6013, 42.5765

Complementary

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



23.5000, 11.6013, 24.2932



16.9984, 33.2378, 8.0047

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.



3.8282, 11.6013, 19.0948



23.5000, 11.6013, 24.2932



5.6512, 11.6013, 1.0074

Square

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



23.5000, 11.6013, 24.2932



14.5739, 11.6013, 0.0000



3.9987, 11.6013, 5.4672



8.1075, 11.6013, 63.9655

Rectangle

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



23.5000, 11.6013, 24.2932



22.0074, 11.6013, 2.8271



3.9987, 11.6013, 5.4672



4.4856, 11.6013, 34.1338

Sweetspot

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



23.5004, 11.6019, 24.2934



59.9813, 49.2388, 72.0564



9.3060, 3.8343, 43.9660



12.5408, 9.9020, 15.1051



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.5004, 11.6019, 24.2934



41.9918, 20.7393, 43.0022



19.5958, 10.0401, 3.7323



8.7579, 8.6099, 10.2237



16.2289, 8.0091, 16.8969



0.5323, 0.2606, 0.6455

Inverse Universe

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



23.5004, 11.6019, 24.2934



41.9918, 20.7393, 43.0022



20.7400, 34.7344, 27.7076



8.7579, 8.6099, 10.2237



16.2289, 8.0091, 16.8969



0.5323, 0.2606, 0.6455

Previews

White Background



This preview shows how the XYZ color 23.5000, 11.6013, 24.2932 looks on a white background.

Color Contrast Check

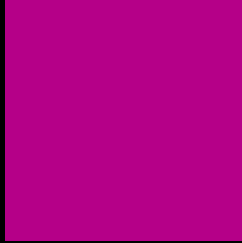
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5000, 11.6013, 24.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

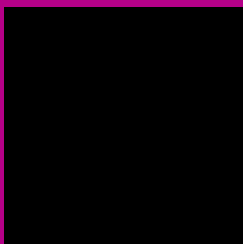
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5000, 11.6013, 24.2932

Background



This preview shows how black text looks on a background with the XYZ color 23.5000, 11.6013, 24.2932.



This preview shows how white text looks on a background with the XYZ color 23.5000, 11.6013,

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

23.5000, 11.6013, 24.2932

Protanopia

14.4808, 12.4280, 52.0877

Deuteranopia

12.4273, 12.1734, 21.7734



Tritanopia

19.7122, 12.0378, 5.0260

Trichromacy



Original Color

23.5000, 11.6013, 24.2932



Protanomaly

13.1821, 8.3341, 39.9436



Deuteranomaly

14.0102, 9.2343, 22.1631



Tritanomaly

20.3432, 11.1470, 9.6737

Monochromacy



Original Color

23.5000, 11.6013, 24.2932



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.3892, 5.9999, 11.2529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5000, 11.6013, 24.2932 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(181, 0, 136)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 136)  
}
```

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(181, 0, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 23.5000, 11.6013, 24.2932 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(181, 0, 136) }
```


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

```
.border{ border-color:rgb(181, 0, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5000, 11.6013, 24.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 136) }
```

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

```
.background{ background-color: rgb(181, 0,  
136) }
```

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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