

Converting Colors

XYZ(23.5629, 11.8409, 14.9387)

Have a look what the booklet for
XYZ(23.5629, 11.8409, 14.9387)
contains.

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Color

**XYZ(23.6401, 11.8804,
14.9571)**

Conversions

Conversions Part 1

Format	Color
Hex	BD006B
RGB	189, 0, 107
RGB Percent	74%, 0%, 42%
CMY	0.2588, 0.9999, 0.5804
CMYK	0.00, 1.00, 0.43, 0.26
HSL	326°, 100%, 37%
HSV	326°, 100%, 74%
XYZ	23.6401, 11.8804, 14.9571
YIQ	68.7090, 78.2970, 73.3450

Conversions

Conversions Part 2

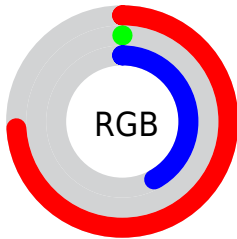
Format	Color
R_{YB}	189, 0, 107
Decimal	12386411
CIE _{Lab}	41.03, 68.64, -4.88
CIE _{LCh}	41, 68.816, 355.937
Yxy	11.8804, 0.4683, 0.2354
Android (android.graphics.Color)	4290576491 (0xFFBD006B)
YUV	68.7090, 18.8775, 105.4952
Hunter-Lab	34.4680, 62.1066, -1.6009

Details

The XYZ color **23.6401, 11.8804, 14.9571** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.7223, 37.0050, 14.0928**, and the grayscale version is **5.5737, 5.8639, 6.3858**.

A 20% lighter version of the original color is **48.8444, 29.2896, 35.4268**, and **9.8689, 4.9934, 4.7186** is the 20% darker color. If you saturate the color by 10%, you get **23.6392, 11.8800, 14.9529**, and if you desaturate by 10%, it is **24.3241, 12.5248, 17.4161**.

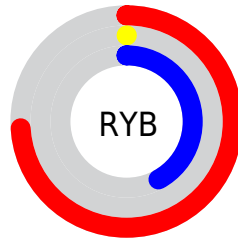
Distribution



Red (74%)

Green (0%)

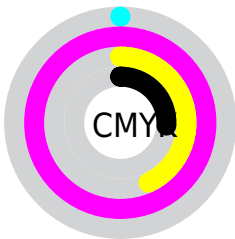
Blue (42%)



Red (74%)

Yellow (0%)

Blue (42%)

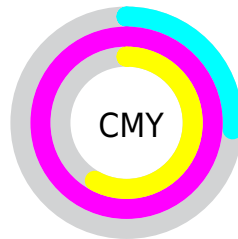


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6401, 11.8804, 14.9571 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 23.6401, 11.8804, 14.9571 by changing the saturation by 10% instead.


 23.6401, 11.8804,
14.9571


 23.6401, 11.8804,
14.9571


263.4702,
203.6119, 234.7382


 15.1901, 6.6623,
8.6430


 48.9012, 29.2771,
35.5191


 9.0401, 3.2518,
4.4154


 66.4431, 42.2245,
50.6042


 4.8247, 1.2646,
1.8559

 87.7463, 58.5170,
69.4499

 2.1785, 0.1135,
0.4645

 113.1763, 78.5392,
92.4749

 0.7314, 0.0000,
0.0000

 143.0983,
102.6754, 120.0977

 0.0000, 0.0000,
0.0000

 177.8777,

131.3100, 152.7368

217.8799,
164.8273, 190.8108

■ 23.6401, 11.8804,
14.9571

■ 23.6401, 11.8804,
14.9571

■ 23.6392, 11.8800,
14.9529

■ 24.3241, 12.5248,
17.4161

■ 25.2745, 13.6347,
20.1712

■ 26.5741, 15.3741,
23.2551

■ 28.2649, 17.8253,
26.6870

■ 30.3826, 21.0581,
30.4835

■ 32.9585, 25.1338,
34.6597

■ 36.0210, 30.1076,
39.2296

■ 39.5961, 36.0300,
44.2062

■ 43.7077, 42.9476,
49.6019

Harmonies

Analogous

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



21.1120, 11.8804, 34.8924



23.6401, 11.8804, 14.9571



22.1483, 11.8804, 4.3213

Triad

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



23.6401, 11.8804, 14.9571



7.6310, 11.8804, 0.6187



6.7693, 11.8804, 51.0060

Complementary

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



23.6401, 11.8804, 14.9571



19.7223, 37.0050, 14.0928

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.



4.7302, 11.8804, 28.8241



23.6401, 11.8804, 14.9571



5.1165, 11.8804, 2.9070

Square

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



23.6401, 11.8804, 14.9571



11.9773, 11.8804, 0.1462



4.2277, 11.8804, 11.1052



10.6333, 11.8804, 63.3469

Rectangle

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



23.6401, 11.8804, 14.9571



19.2552, 11.8804, 1.5886



4.2277, 11.8804, 11.1052



5.8971, 11.8804, 43.9158

Sweetspot

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



23.6404, 11.8811, 14.9573



64.2190, 53.4391, 69.8352



12.6584, 5.4651, 48.5316



13.2933, 10.6484, 14.2602



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.



23.6404, 11.8811, 14.9573



42.2154, 21.2281, 26.1345



21.0569, 10.8477, 1.3525



9.7503, 9.6244, 11.0738



15.9442, 8.0088, 10.2658



0.6568, 0.3266, 0.5720

Inverse Universe

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



23.6404, 11.8811, 14.9573



42.2154, 21.2281, 26.1345



26.0743, 39.5458, 47.5420



9.7503, 9.6244, 11.0738



15.9442, 8.0088, 10.2658



0.6568, 0.3266, 0.5720

Previews

White Background



This preview shows how the XYZ color 23.6401, 11.8804, 14.9571 looks on a white background.

Color Contrast Check

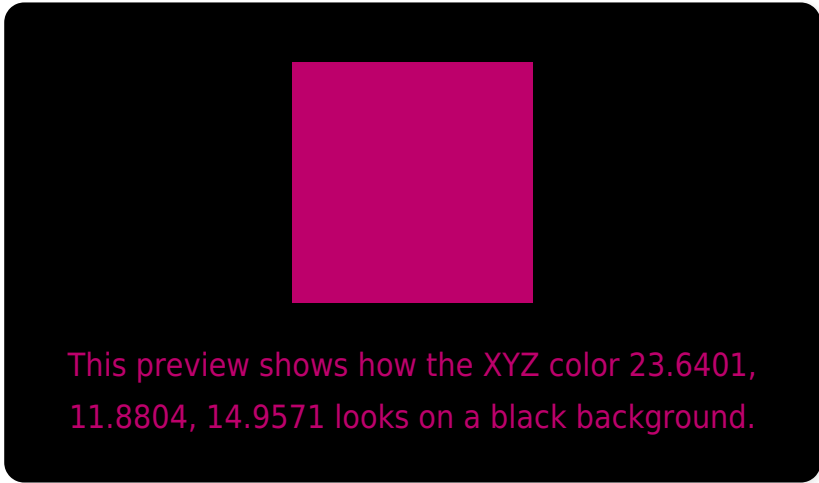
Large Text (above 18pt) WCAG AA ✓ Pass

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

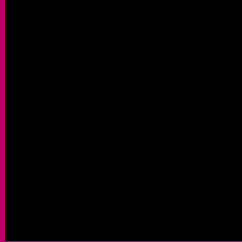
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6401, 11.8804, 14.9571

Background



This preview shows how black text looks on a background with the XYZ color 23.6401, 11.8804, 14.9571.



This preview shows how white text looks on a background with the XYZ color 23.6401, 11.8804,

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

23.6401, 11.8804, 14.9571

Protanopia

13.3319, 12.5447, 32.2906

Deuteranopia

12.7417, 12.5178, 13.5490



Tritanopia

21.5137, 12.2695, 3.5198

Trichromacy



Original Color

23.6401, 11.8804, 14.9571



Protanomaly

13.8457, 9.1733, 24.7078



Deuteranomaly

14.5482, 9.7001, 13.6759



Tritanomaly

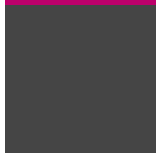
21.8688, 11.7420, 6.2681

Monochromacy



Original Color

23.6401, 11.8804, 14.9571



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.2721, 5.9366, 8.8408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6401, 11.8804, 14.9571 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(189, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 107)  
}
```

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(189, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 23.6401, 11.8804, 14.9571 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(189, 0, 107) }
```


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

```
.border{ border-color:rgb(189, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6401, 11.8804, 14.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 107) }
```

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

```
.background{ background-color: rgb(189, 0,  
107) }
```

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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