

Converting Colors

XYZ(22.9491, 11.5958, 11.7034)

Have a look what the booklet for
XYZ(22.9491, 11.5958, 11.7034)
contains.

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Color

**XYZ(23.0066, 11.6270,
11.6213)**

Conversions

Conversions Part 1

Format	Color
Hex	BD005E
RGB	189, 0, 94
RGB Percent	74%, 0%, 37%
CMY	0.2588, 0.9999, 0.6314
CMYK	0.00, 1.00, 0.50, 0.26
HSL	330°, 100%, 37%
HSV	330°, 100%, 74%
XYZ	23.0066, 11.6270, 11.6213
YIQ	67.2270, 82.4700, 69.3020

Conversions

Conversions Part 2

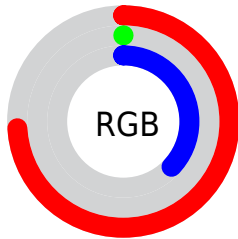
Format	Color
RYB	189, 0, 94
Decimal	12386398
CIELab	40.62, 67.57, 2.75
CIELCh	41, 67.624, 2.327
Yxy	11.6270, 0.4974, 0.2514
Android (android.graphics.Color)	4290576478 (0xFFBD005E)
YUV	67.2270, 13.1991, 106.7949
Hunter-Lab	34.0984, 60.7640, 3.6618

Details

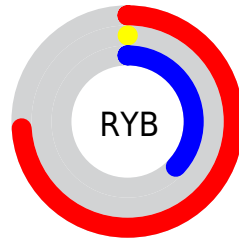
The XYZ color **23.0066, 11.6270, 11.6213** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.2651, 37.2221, 16.9516**, and the grayscale version is **5.3447, 5.6231, 6.1235**.

A 20% lighter version of the original color is **47.9880, 28.8635, 29.4275**, and **9.5868, 4.8805, 3.2331** is the 20% darker color. If you saturate the color by 10%, you get **23.0057, 11.6266, 11.6170**, and if you desaturate by 10%, it is **23.6914, 12.2717, 14.0844**.

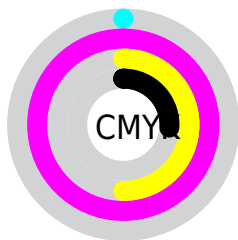
Distribution



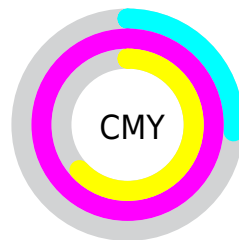
- Red (74%)
- Green (0%)
- Blue (37%)



- Red (74%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0066, 11.6270, 11.6213 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 23.0066, 11.6270, 11.6213 by changing the saturation by 10% instead.


 23.0066, 11.6270,
11.6213


 23.0066, 11.6270,
11.6213


260.2936,
201.9200, 212.7700


 14.7191, 6.4902,
6.3670


 47.8707, 28.8139,
29.4575


 8.7075, 3.1454,
2.9971


 65.1781, 41.6329,
42.8764


 4.6065, 1.2081,
1.0932


 86.2228, 57.7813,
59.8540

 2.0506, 0.0683,
0.0000

 111.3701, 77.6437,
80.8087

 0.6622, 0.0000,
0.0000

 140.9856,
101.6043, 106.1591

 0.0000, 0.0000,
0.0000

 175.4344,

130.0477, 136.3238

215.0819,
163.3581, 171.7212

■ 23.0066, 11.6270,
11.6213

■ 23.0066, 11.6270,
11.6213

■ 23.0057, 11.6266,
11.6170

■ 23.6914, 12.2717,
14.0844

■ 24.6549, 13.3869,
16.9083

■ 25.9805, 15.1367,
20.1293

■ 27.7109, 17.6038,
23.7697

■ 29.8824, 20.8582,
27.8494

■ 32.5268, 24.9613,
32.3864

■ 35.6732, 29.9687,
37.3976

■ 39.3479, 35.9309,
42.8988

■ 43.5754, 42.8949,
48.9049

Harmonies

Analogous

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



21.3472, 11.6270, 29.2322



23.0066, 11.6270, 11.6213



20.7738, 11.6270, 3.1587

Triad

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



23.0066, 11.6270, 11.6213



6.8304, 11.6270, 0.9009



7.3100, 11.6270, 53.1802

Complementary

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



23.0066, 11.6270, 11.6213



20.2651, 37.2221, 16.9516

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.



4.9639, 11.6270, 32.5853



23.0066, 11.6270, 11.6213



4.7484, 11.6270, 3.9503

Square

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



23.0066, 11.6270, 11.6213



10.6823, 11.6270, 0.1720



4.1787, 11.6270, 13.7585



11.4283, 11.6270, 61.3445

Rectangle

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



23.0066, 11.6270, 11.6213



17.6703, 11.6270, 1.1665



4.1787, 11.6270, 13.7585



6.3337, 11.6270, 46.9913

Sweetspot

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



23.0069, 11.6277, 11.6215



63.5877, 53.1866, 66.5109



13.8550, 6.0821, 48.5875



13.1434, 10.5884, 13.4705



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.



23.0069, 11.6277, 11.6215



41.0825, 20.7750, 20.1691



20.9867, 10.8196, 0.9833



9.7226, 9.6134, 10.9284



15.5176, 7.8382, 8.0192



0.6409, 0.3202, 0.4881

Inverse Universe

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



23.0069, 11.6277, 11.6215



41.0825, 20.7750, 20.1691



27.3832, 40.0693, 54.4347



9.7226, 9.6134, 10.9284



15.5176, 7.8382, 8.0192



0.6409, 0.3202, 0.4881

Previews

White Background



This preview shows how the XYZ color 23.0066, 11.6270, 11.6213 looks on a white background.

Color Contrast Check

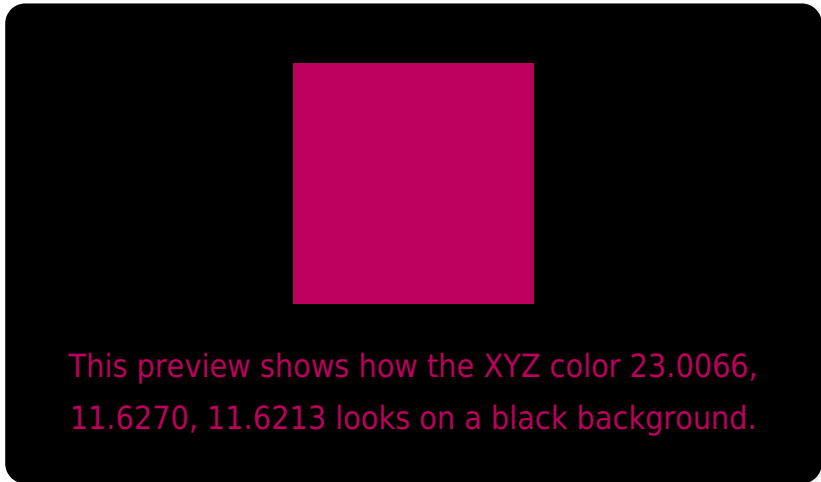
Large Text (above 18pt) WCAG AA ✓ Pass

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

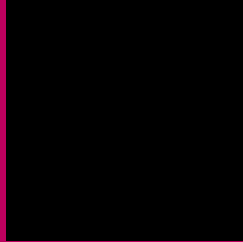
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0066, 11.6270, 11.6213

Background



This preview shows how black text looks on a background with the XYZ color 23.0066, 11.6270, 11.6213.



This preview shows how white text looks on a background with the XYZ color 23.0066, 11.6270,

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

23.0066, 11.6270, 11.6213

Protanopia

12.6491, 12.3532, 25.0103

Deuteranopia

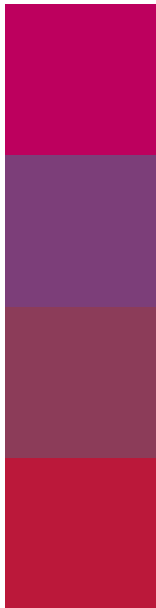
12.4540, 12.3010, 10.5220



Tritanopia

21.2452, 11.8958, 2.9266

Trichromacy



Original Color

23.0066, 11.6270, 11.6213

Protanomaly

13.4860, 9.1108, 19.1369

Deuteranomaly

14.2342, 9.5284, 10.5401

Tritanomaly

21.5839, 11.5236, 5.0897

Monochromacy



Original Color

23.0066, 11.6270, 11.6213

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.7590, 5.6431, 7.6488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0066, 11.6270, 11.6213 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.0066, 11.6270, 11.6213 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, 94) }
```


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

```
.border{ border-color:rgb(189, 0, 94) }
```

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, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.0066, 11.6270, 11.6213 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, 94) }
```

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

```
.background{ background-color: rgb(189, 0,  
94) }
```

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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