

Converting Colors

XYZ(23.6511, 11.8762, 15.4031)

Have a look what the booklet for
XYZ(23.6511, 11.8762, 15.4031)
contains.

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Color

**XYZ(23.7466, 11.9229,
15.5178)**

Conversions

Conversions Part 1

Format	Color
Hex	BD006D
RGB	189, 0, 109
RGB Percent	74%, 0%, 43%
CMY	0.2588, 0.9999, 0.5725
CMYK	0.00, 1.00, 0.42, 0.26
HSL	325°, 100%, 37%
HSV	325°, 100%, 74%
XYZ	23.7466, 11.9229, 15.5178
YIQ	68.9370, 77.6550, 73.9670

Conversions

Conversions Part 2

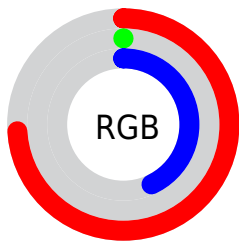
Format	Color
RYB	189, 0, 109
Decimal	12386413
CIELab	41.09, 68.82, -6.03
CIElCh	41, 69.085, 354.991
Yxy	11.9229, 0.4639, 0.2329
Android (android.graphics.Color)	4290576493 (0xFFBD006D)
YUV	68.9370, 19.7511, 105.2953
Hunter-Lab	34.5296, 62.3310, -2.4746

Details

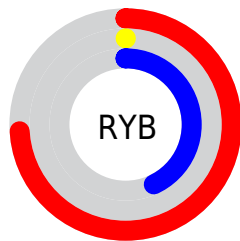
The XYZ color **23.7466, 11.9229, 15.5178** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.6470, 36.9750, 13.6964**, and the grayscale version is **5.6088, 5.9009, 6.4261**.

A 20% lighter version of the original color is **49.0180, 29.3591, 36.3410**, and **9.9228, 5.0149, 5.0024** is the 20% darker color. If you saturate the color by 10%, you get **23.7460, 11.9227, 15.5144**, and if you desaturate by 10%, it is **24.4289, 12.5666, 17.9682**.

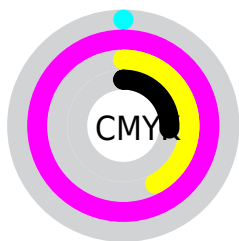
Distribution



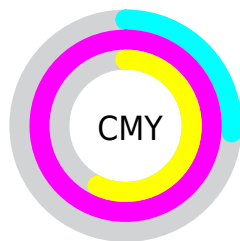
- Red (74%)
- Green (0%)
- Blue (43%)



- Red (74%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7466, 11.9229, 15.5178 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 23.7466, 11.9229, 15.5178 by changing the saturation by 10% instead.


 23.7466, 11.9229,
15.5178


 23.7466, 11.9229,
15.5178


264.0012,
203.8942, 238.2271


 15.2695, 6.6912,
9.0329

 49.0741, 29.3546,
36.5141


 9.0963, 3.2697,
4.6656


 66.6551, 42.3234,
51.8626


 4.8616, 1.2741,
1.9971


 88.0015, 58.6400,
71.0028

 2.2002, 0.1210,
0.5535

 113.4786, 78.6888,
94.3531

 0.7429, 0.0000,
0.0000

 143.4518,
102.8543, 122.3322

 0.0000, 0.0000,
0.0000

 178.2863,

131.5207, 155.3585

218.3477,
165.0726, 193.8506

■ 23.7466, 11.9229,
15.5178

■ 23.7466, 11.9229,
15.5178

■ 23.7460, 11.9227,
15.5144

■ 24.4289, 12.5666,
17.9682

■ 25.3758, 13.6749,
20.7050

■ 26.6700, 15.4119,
23.7609

■ 28.3534, 17.8600,
27.1543

■ 30.4615, 21.0888,
30.9015

■ 33.0259, 25.1597,
35.0173

■ 36.0746, 30.1277,
39.5154

■ 39.6336, 36.0434,
44.4084

■ 43.7269, 42.9534,
49.7083

Harmonies

Analogous

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



21.0847, 11.9229, 35.8246



23.7466, 11.9229, 15.5178



22.3705, 11.9229, 4.5199

Triad

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



23.7466, 11.9229, 15.5178



7.7596, 11.9229, 0.5756



6.6914, 11.9229, 50.7047

Complementary

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



23.7466, 11.9229, 15.5178



19.6470, 36.9750, 13.6964

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.



4.6963, 11.9229, 28.2919



23.7466, 11.9229, 15.5178



5.1749, 11.9229, 2.7673

Square

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



23.7466, 11.9229, 15.5178



12.1863, 11.9229, 0.1419



4.2358, 11.9229, 10.7387



10.5193, 11.9229, 63.6843

Rectangle

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



23.7466, 11.9229, 15.5178



19.5108, 11.9229, 1.6602



4.2358, 11.9229, 10.7387



5.8341, 11.9229, 43.4809

Sweetspot

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



23.7469, 11.9236, 15.5180



64.3180, 53.4788, 70.3566



12.3907, 5.3270, 48.5193



13.3169, 10.6578, 14.3844



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.



23.7469, 11.9236, 15.5180



42.4065, 21.3045, 27.1410



21.0785, 10.8562, 1.4660



9.7545, 9.6261, 11.0963



16.0159, 8.0375, 10.6431



0.6594, 0.3277, 0.5857

Inverse Universe

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



23.7469, 11.9236, 15.5180



42.4065, 21.3045, 27.1410



25.7653, 39.4223, 45.9147



9.7545, 9.6261, 11.0963



16.0159, 8.0375, 10.6431



0.6594, 0.3277, 0.5857

Previews

White Background



This preview shows how the XYZ color 23.7466, 11.9229, 15.5178 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 23.7466, 11.9229, 15.5178 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 23.7466, 11.9229, 15.5178

Background



This preview shows how black text looks on a background with the XYZ color 23.7466, 11.9229, 15.5178.



This preview shows how white text looks on a background with the XYZ color 23.7466, 11.9229,

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

23.7466, 11.9229, 15.5178

Protanopia

13.5141, 12.7475, 33.6465

Deuteranopia

12.7162, 12.4935, 14.0532



Tritanopia

21.3261, 12.2239, 3.6183

Trichromacy



Original Color

23.7466, 11.9229, 15.5178



Protanomaly

13.9275, 9.1903, 25.8508



Deuteranomaly

14.4840, 9.6553, 14.1970



Tritanomaly

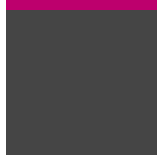
21.6850, 11.6403, 6.5727

Monochromacy



Original Color

23.7466, 11.9229, 15.5178



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3110, 5.9522, 9.0456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7466, 11.9229, 15.5178 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, 109)` looks like.

```
.text, #text, p{  
  color:rgb(189, 0, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 23.7466, 11.9229, 15.5178 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, 109) }
```


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

```
.border{ border-color:rgb(189, 0, 109) }
```

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, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7466, 11.9229, 15.5178 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, 109) }
```

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

```
.background{ background-color: rgb(189, 0,  
109) }
```

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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