

Converting Colors

XYZ(20.9786, 7.4279, 11.8869)

Have a look what the booklet for
XYZ(20.9786, 7.4279, 11.8869)
contains.

XYZ(23.1909, 11.7007, 12.5914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1909, 11.7007,
12.5914)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0062
RGB	189, 0, 98
RGB Percent	74%, 0%, 38%
CMY	0.2588, 0.9999, 0.6157
CMYK	0.00, 1.00, 0.48, 0.26
HSL	329°, 100%, 37%
HSV	329°, 100%, 74%
XYZ	23.1909, 11.7007, 12.5914
YIQ	67.6830, 81.1860, 70.5460

Conversions

Conversions Part 2

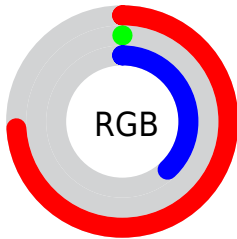
Format	Color
R_YB	189, 0, 98
Decimal	12386402
CIE _{Lab}	40.74, 67.88, 0.38
CIE _{LCh}	41, 67.885, 0.322
Yxy	11.7007, 0.4884, 0.2464
Android (android.graphics.Color)	4290576482 (0xFFBD0062)
YUV	67.6830, 14.9463, 106.3950
Hunter-Lab	34.2063, 61.1570, 2.1196

Details

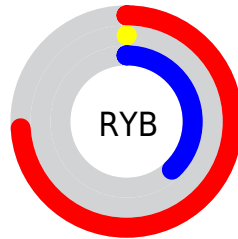
The XYZ color **23.1909, 11.7007, 12.5914** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.0878, 37.1513, 16.0175**, and the grayscale version is **5.4144, 5.6964, 6.2034**.

A 20% lighter version of the original color is **47.9400, 28.8028, 31.0497**, and **9.6731, 4.9151, 3.6877** is the 20% darker color. If you saturate the color by 10%, you get **23.1900, 11.7003, 12.5873**, and if you desaturate by 10%, it is **23.8772, 12.3460, 15.0625**.

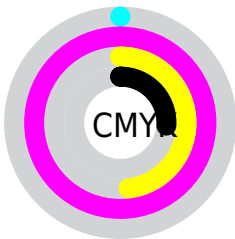
Distribution



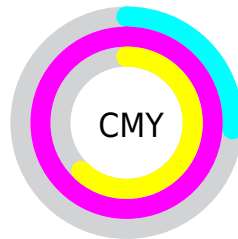
- Red (74%)
- Green (0%)
- Blue (38%)



- Red (74%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1909, 11.7007, 12.5914 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 23.1909, 11.7007, 12.5914 by changing the saturation by 10% instead.


 23.1909, 11.7007,
12.5914


 23.1909, 11.7007,
12.5914

261.2210,
202.4137, 219.3972


 14.8560, 6.5402,
7.0204


 48.1709, 28.9488,
31.2481


 8.8040, 3.1763,
3.3962


 65.5468, 41.8052,
45.1708


 4.6697, 1.2244,
1.3003

 86.6670, 57.9957,
62.7146

 2.0875, 0.0815,
0.0621

 111.8970, 77.9048,
84.2979

 0.6824, 0.0000,
0.0000

 141.6020,
101.9167, 110.3393

 0.0000, 0.0000,
0.0000

 176.1474,

130.4158, 141.2572

215.8987,
163.7867, 177.4704

■ 23.1909, 11.7007,
12.5914

■ 23.1909, 11.7007,
12.5914

■ 23.1900, 11.7003,
12.5873

■ 23.8772, 12.3460,
15.0625

■ 24.8383, 13.4602,
17.8740

■ 26.1575, 15.2074,
21.0610

■ 27.8771, 17.6701,
24.6446

■ 30.0332, 20.9182,
28.6437

■ 32.6576, 25.0133,
33.0752

■ 35.7789, 30.0106,
37.9550

■ 39.4235, 35.9608,
43.2981

■ 43.6157, 42.9105,
49.1184

Harmonies

Analogous

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



21.2642, 11.7007, 30.9014



23.1909, 11.7007, 12.5914



21.1840, 11.7007, 3.4929

Triad

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



23.1909, 11.7007, 12.5914



7.0701, 11.7007, 0.8136



7.1371, 11.7007, 52.4713

Complementary

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



23.1909, 11.7007, 12.5914



20.0878, 37.1513, 16.0175

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.



4.8894, 11.7007, 31.3705



23.1909, 11.7007, 12.5914



4.8593, 11.7007, 3.6032

Square

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



23.1909, 11.7007, 12.5914



11.0691, 11.7007, 0.1644



4.1929, 11.7007, 12.8899



11.1734, 11.7007, 61.9269

Rectangle

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



23.1909, 11.7007, 12.5914



18.1441, 11.7007, 1.2883



4.1929, 11.7007, 12.8899



6.1942, 11.7007, 45.9985

Sweetspot

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



23.1912, 11.7014, 12.5916



63.7798, 53.2635, 67.5227



13.2309, 5.7603, 48.5585



13.1889, 10.6066, 13.7104



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.



23.1912, 11.7014, 12.5916



41.4115, 20.9065, 21.9013



21.0213, 10.8334, 1.1650



9.7311, 9.6167, 10.9730



15.6418, 7.8879, 8.6735



0.6456, 0.3221, 0.5131

Inverse Universe

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



23.1912, 11.7014, 12.5916



41.4115, 20.9065, 21.9013



26.7141, 39.8018, 50.9113



9.7311, 9.6167, 10.9730



15.6418, 7.8879, 8.6735



0.6456, 0.3221, 0.5131

Previews

White Background



This preview shows how the XYZ color 23.1909, 11.7007, 12.5914 looks on a white background.

Color Contrast Check

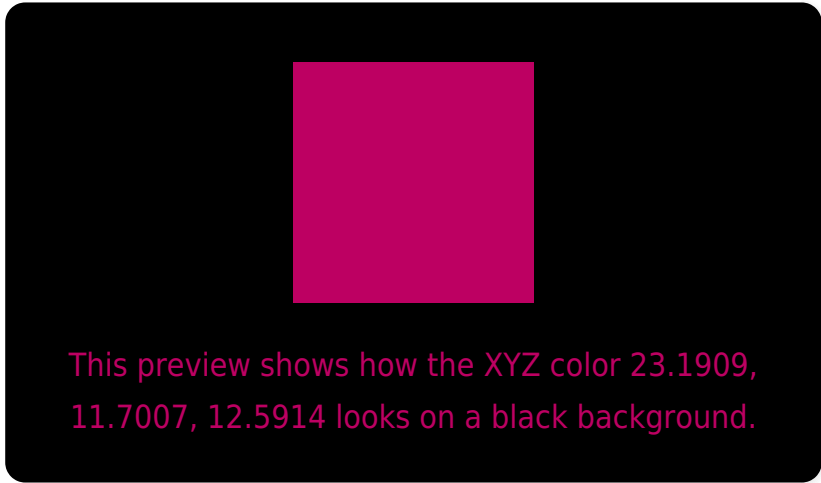
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1909, 11.7007, 12.5914

Background



This preview shows how black text looks on a background with the XYZ color 23.1909, 11.7007, 12.5914.



This preview shows how white text looks on a background with the XYZ color 23.1909, 11.7007,

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

23.1909, 11.7007, 12.5914

Protanopia

12.7386, 12.3573, 26.9131

Deuteranopia

12.4932, 12.3021, 11.3889



Tritanopia

21.3414, 12.0366, 3.1179

Trichromacy



Original Color

23.1909, 11.7007, 12.5914



Protanomaly

13.4503, 9.0635, 20.4426



Deuteranomaly

14.2391, 9.5110, 11.4412



Tritanomaly

21.6568, 11.5863, 5.3699

Monochromacy



Original Color

23.1909, 11.7007, 12.5914



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.9573, 5.7370, 8.0324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1909, 11.7007, 12.5914 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, 98)` looks like.

```
.text, #text, p{  
  color:rgb(189, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 23.1909, 11.7007, 12.5914 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, 98) }
```


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

```
.border{ border-color:rgb(189, 0, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1909, 11.7007, 12.5914 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, 98) }
```

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

```
.background{ background-color: rgb(189, 0,  
98) }
```

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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