

Converting Colors

XYZ(23.2336, 11.4961, 22.8293)

Have a look what the booklet for
XYZ(23.2336, 11.4961, 22.8293)
contains.

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Color

**XYZ(23.2209, 11.4897,
22.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	B50084
RGB	181, 0, 132
RGB Percent	71%, 0%, 52%
CMY	0.2902, 0.9999, 0.4824
CMYK	0.00, 1.00, 0.27, 0.29
HSL	316°, 100%, 35%
HSV	316°, 100%, 71%
XYZ	23.2209, 11.4897, 22.8237
YIQ	69.1670, 65.5040, 79.4240

Conversions

Conversions Part 2

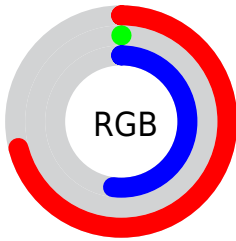
Format	Color
RYB	181, 0, 132
Decimal	11862148
CIELab	40.39, 69.50, -21.58
CIELCh	40, 72.770, 342.752
Yxy	11.4897, 0.4036, 0.1997
Android (android.graphics.Color)	4290052228 (0xFFB50084)
YUV	69.1670, 30.9767, 98.0775
Hunter-Lab	33.8965, 62.9633, -16.1946

Details

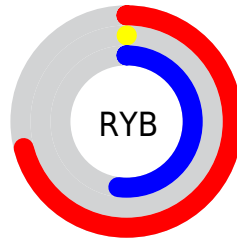
The XYZ color **23.2209, 11.4897, 22.8237** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.0792, 33.2700, 8.4303**, and the grayscale version is **5.6298, 5.9230, 6.4501**.

A 20% lighter version of the original color is **48.2029, 28.5442, 48.8679**, and **9.6914, 4.8201, 8.4022** is the 20% darker color. If you saturate the color by 10%, you get **23.2205, 11.4895, 22.8211**, and if you desaturate by 10%, it is **23.7827, 12.0638, 24.7048**.

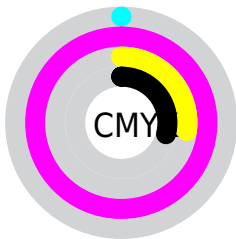
Distribution



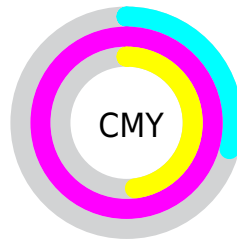
- Red (71%)
- Green (0%)
- Blue (52%)



- Red (71%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2209, 11.4897, 22.8237 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 23.2209, 11.4897, 22.8237 by changing the saturation by 10% instead.


 23.2209, 11.4897,
22.8237


 23.2209, 11.4897,
22.8237


261.3718,
200.9971, 279.9107


 14.8783, 6.3972,
14.2593


 48.2198, 28.5622,
49.0232

 8.8198, 3.0881,
8.1604

 65.6068, 41.3111,
67.4954


 4.6800, 1.1779,
4.1085

 86.7393, 57.3808,
90.1073

 2.0936, 0.0435,
1.6851

 111.9826, 77.1559,
117.2773

 0.6857, 0.0000,
0.3505

 141.7022,
101.0206, 149.4242

 0.0000, 0.0000,
0.0000

 176.2633,

129.3595, 186.9663

216.0314,
162.5568, 230.3223

■ 23.2209, 11.4897,
22.8237

■ 23.2209, 11.4897,
22.8237

■ 23.2205, 11.4895,
22.8211

■ 23.7827, 12.0638,
24.7048

■ 24.5615, 13.0464,
26.7369

■ 25.6337, 14.5900,
28.9466

■ 27.0362, 16.7680,
31.3473

■ 28.8004, 19.6428,
33.9502

■ 30.9539, 23.2693,
36.7656

■ 33.5213, 27.6966,
39.8027

■ 36.5255, 32.9701,
43.0699

■ 39.9875, 39.1313,
46.5753

Harmonies

Analogous

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



19.0233, 11.4897, 46.5479



23.2209, 11.4897, 22.8237



23.5517, 11.4897, 7.2778

Triad

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



23.2209, 11.4897, 22.8237



8.8955, 11.4897, 0.0000



5.1859, 11.4897, 42.9066

Complementary

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



23.2209, 11.4897, 22.8237



17.0792, 33.2700, 8.4303

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.



3.8759, 11.4897, 19.7915



23.2209, 11.4897, 22.8237



5.5240, 11.4897, 1.1433

Square

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



23.2209, 11.4897, 22.8237



14.0945, 11.4897, 0.0102



3.9765, 11.4897, 5.8933



8.2630, 11.4897, 63.0798

Rectangle

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



23.2209, 11.4897, 22.8237



21.4204, 11.4897, 2.6364



3.9765, 11.4897, 5.8933



4.5745, 11.4897, 34.6907

Sweetspot

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



23.2213, 11.4903, 22.8239



59.7797, 49.1582, 70.9949



9.5733, 3.9722, 43.9783



12.4920, 9.8825, 14.8484



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.



23.2213, 11.4903, 22.8239



41.4874, 20.5375, 40.3457



19.4789, 9.9934, 3.1167



8.7499, 8.6067, 10.1813



16.0378, 7.9327, 15.8911



0.5275, 0.2587, 0.6203

Inverse Universe

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



23.2213, 11.4903, 22.8239



41.4874, 20.5375, 40.3457



21.1679, 34.9054, 29.9611



8.7499, 8.6067, 10.1813



16.0378, 7.9327, 15.8911



0.5275, 0.2587, 0.6203

Previews

White Background



This preview shows how the XYZ color 23.2209, 11.4897, 22.8237 looks on a white background.

Color Contrast Check

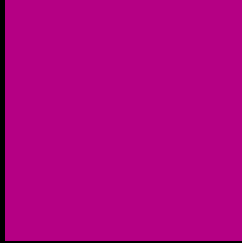
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2209, 11.4897, 22.8237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

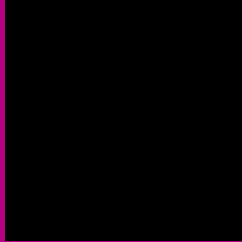
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2209, 11.4897, 22.8237

Background



This preview shows how black text looks on a background with the XYZ color 23.2209, 11.4897, 22.8237.



This preview shows how white text looks on a background with the XYZ color 23.2209, 11.4897,

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

23.2209, 11.4897, 22.8237

Protanopia

14.2080, 12.3507, 49.2120

Deuteranopia

12.3741, 12.1755, 20.4368



Tritanopia

19.5968, 11.8458, 4.8680

Trichromacy



Original Color

23.2209, 11.4897, 22.8237



Protanomaly

13.2998, 8.4386, 37.9736



Deuteranomaly

14.0388, 9.2795, 20.7899



Tritanomaly

20.2367, 11.0594, 9.2517

Monochromacy



Original Color

23.2209, 11.4897, 22.8237



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.2629, 5.8891, 10.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2209, 11.4897, 22.8237 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 23.2209, 11.4897, 22.8237 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, 132) }
```


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

```
.border{ border-color:rgb(181, 0, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2209, 11.4897, 22.8237 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, 132) }
```

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

```
.background{ background-color: rgb(181, 0,  
132) }
```

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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