

Converting Colors

XYZ(23.7897, 11.7172, 25.8187)

Have a look what the booklet for
XYZ(23.7897, 11.7172, 25.8187)
contains.

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Color

**XYZ(23.7897, 11.7172,
25.8187)**

Conversions

Conversions Part 1

Format	Color
Hex	B5008C
RGB	181, 0, 140
RGB Percent	71%, 0%, 55%
CMY	0.2902, 0.9999, 0.4510
CMYK	0.00, 1.00, 0.23, 0.29
HSL	314°, 100%, 35%
HSV	314°, 100%, 71%
XYZ	23.7897, 11.7172, 25.8187
YIQ	70.0790, 62.9360, 81.9120

Conversions

Conversions Part 2

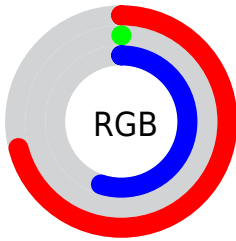
Format	Color
R_YB	181, 0, 140
Decimal	11862156
CIE _{Lab}	40.76, 70.44, -25.92
CIE _{LCh}	41, 75.054, 339.794
Yxy	11.7172, 0.3879, 0.1911
Android (android.graphics.Color)	4290052236 (0xFFB5008C)
YUV	70.0790, 34.4711, 97.2777
Hunter-Lab	34.2304, 64.1521, -20.7589

Details

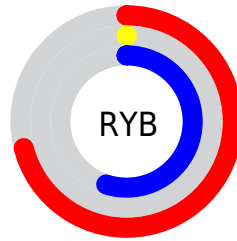
The XYZ color **23.7897, 11.7172, 25.8187** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **16.9250, 33.2084, 7.6180**, and the grayscale version is **5.7742, 6.0749, 6.6155**.

A 20% lighter version of the original color is **49.2617, 29.0928, 54.0580**, and **9.9716, 4.9322, 9.8776** is the 20% darker color. If you saturate the color by 10%, you get **23.7894, 11.7171, 25.8166**, and if you desaturate by 10%, it is **24.3163, 12.2772, 27.5141**.

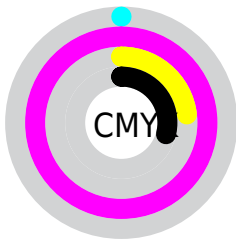
Distribution



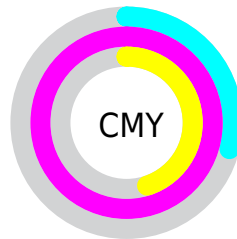
- Red (71%)
- Green (0%)
- Blue (55%)



- Red (71%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7897, 11.7172, 25.8187 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 23.7897, 11.7172, 25.8187 by changing the saturation by 10% instead.


 23.7897, 11.7172,
25.8187


 23.7897, 11.7172,
25.8187


264.2158,
202.5240, 295.4681


 15.3016, 6.5514,
16.4635


 49.1440, 28.9790,
53.9628

 9.1190, 3.1832,
9.6948

 66.7409, 41.8438,
73.5888


 4.8766, 1.2281,
5.0942

 88.1047, 58.0437,
97.4755

 2.2091, 0.0845,
2.2429

 113.6009, 77.9631,
126.0414

 0.7475, 0.0000,
0.6990

 143.5947,
101.9865, 159.7051

 0.0000, 0.0000,
0.0000

 178.4516,

130.4982, 198.8850

218.5368,
163.8825, 243.9999

■ 23.7897, 11.7172,
25.8187

■ 23.7897, 11.7172,
25.8187

■ 23.7894, 11.7171,
25.8166

■ 24.3163, 12.2772,
27.5141

■ 25.0552, 13.2438,
29.3364

■ 26.0828, 14.7694,
31.3117

■ 27.4360, 16.9277,
33.4529

■ 29.1461, 19.7808,
35.7709

■ 31.2405, 23.3835,
38.2755

■ 33.7438, 27.7852,
40.9754

■ 36.6789, 33.0309,
43.8787

■ 40.0666, 39.1623,
46.9930

Harmonies

Analogous

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



19.0687, 11.7172, 51.2103



23.7897, 11.7172, 25.8187



24.5971, 11.7172, 8.3880

Triad

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



23.7897, 11.7172, 25.8187



9.4828, 11.7172, 0.0000



4.9723, 11.7172, 42.2742

Complementary

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



23.7897, 11.7172, 25.8187



16.9250, 33.2084, 7.6180

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.



3.7826, 11.7172, 18.4308



23.7897, 11.7172, 25.8187



5.7808, 11.7172, 0.8818

Square

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



23.7897, 11.7172, 25.8187



15.0651, 11.7172, 0.0000



4.0218, 11.7172, 5.0682



7.9587, 11.7172, 64.8848

Rectangle

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



23.7897, 11.7172, 25.8187



22.6089, 11.7172, 3.0250



4.0218, 11.7172, 5.0682



4.4002, 11.7172, 33.6064

Sweetspot

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



23.7901, 11.7178, 25.8189



60.1847, 49.3202, 73.1278



9.1865, 3.7727, 43.9604



12.5900, 9.9217, 15.3645



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.



23.7901, 11.7178, 25.8189



42.5159, 20.9489, 45.7617



19.6607, 10.0661, 4.0736



8.7660, 8.6131, 10.2662



16.4270, 8.0884, 17.9403



0.5372, 0.2626, 0.6713

Inverse Universe

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



23.7901, 11.7178, 25.8189



42.5159, 20.9489, 45.7617



20.5351, 34.6524, 26.6284



8.7660, 8.6131, 10.2662



16.4270, 8.0884, 17.9403



0.5372, 0.2626, 0.6713

Previews

White Background



This preview shows how the XYZ color 23.7897, 11.7172, 25.8187 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 23.7897, 11.7172, 25.8187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

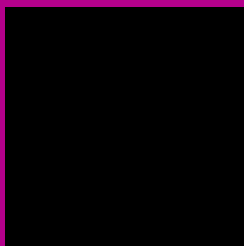
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7897, 11.7172, 25.8187

Background



This preview shows how black text looks on a background with the XYZ color 23.7897, 11.7172, 25.8187.



This preview shows how white text looks on a background with the XYZ color 23.7897, 11.7172,

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

23.7897, 11.7172, 25.8187

Protanopia

14.8270, 12.5276, 55.6694

Deuteranopia

12.5879, 12.3617, 23.1953



Tritanopia

19.8091, 12.1518, 5.3045

Trichromacy



Original Color

23.7897, 11.7172, 25.8187



Protanomaly

13.1314, 8.2399, 43.0178



Deuteranomaly

14.1941, 9.3774, 23.6162



Tritanomaly

20.4939, 11.2538, 10.3246

Monochromacy



Original Color

23.7897, 11.7172, 25.8187



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.4344, 6.0180, 11.4908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7897, 11.7172, 25.8187 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.7897, 11.7172, 25.8187 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, 140) }
```


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

```
.border{ border-color:rgb(181, 0, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7897, 11.7172, 25.8187 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, 140) }
```

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

```
.background{ background-color: rgb(181, 0,  
140) }
```

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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