

Converting Colors

XYZ(23.1651, 11.3330, 28.5986)

Have a look what the booklet for
XYZ(23.1651, 11.3330, 28.5986)
contains.

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Color

**XYZ(23.1710, 11.3367,
28.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	B00093
RGB	176, 0, 147
RGB Percent	69%, 0%, 58%
CMY	0.3098, 0.9999, 0.4235
CMYK	0.00, 1.00, 0.16, 0.31
HSL	310°, 100%, 35%
HSV	310°, 100%, 69%
XYZ	23.1710, 11.3367, 28.5707
YIQ	69.3820, 57.7090, 83.0290

Conversions

Conversions Part 2

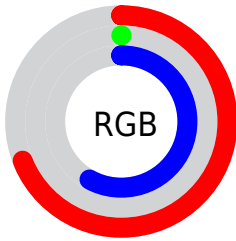
Format	Color
RYB	176, 0, 147
Decimal	11534483
CIELab	40.14, 70.36, -31.25
CIELCh	40, 76.983, 336.054
Yxy	11.3367, 0.3673, 0.1797
Android (android.graphics.Color)	4289724563 (0xFFB00093)
YUV	69.3820, 38.2657, 93.5040
Hunter-Lab	33.6700, 63.9174, -26.7415

Details

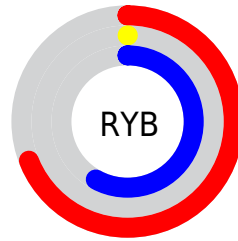
The XYZ color **23.1710, 11.3367, 28.5707** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **15.7478, 31.1400, 6.3445**, and the grayscale version is **5.6539, 5.9483, 6.4777**.

A 20% lighter version of the original color is **47.9739, 28.2199, 58.1768**, and **9.7191, 4.7665, 11.4741** is the 20% darker color. If you saturate the color by 10%, you get **23.1709, 11.3367, 28.5693**, and if you desaturate by 10%, it is **23.6119, 11.8495, 29.8549**.

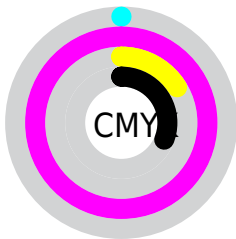
Distribution



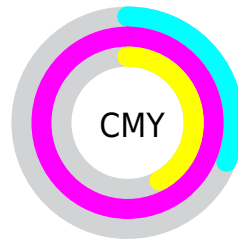
- Red (69%)
- Green (0%)
- Blue (58%)



- Red (69%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1710, 11.3367, 28.5707 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 23.1710, 11.3367, 28.5707 by changing the saturation by 10% instead.

■ 23.1710, 11.3367,
28.5707

■ 23.1710, 11.3367,
28.5707

261.1210,
199.9632, 309.1813

■ 14.8412, 6.2938,
18.5135

■ 48.1385, 28.2811,
58.4283

■ 8.7936, 3.0245,
11.1461

■ 65.5070, 40.9514,
79.0659

■ 4.6628, 1.1446,
6.0498

■ 86.6191, 56.9330,
104.0673

■ 2.0835, 0.0157,
2.8061

■ 111.8401, 76.6101,
133.8511

■ 0.6802, 0.0000,
0.9965

■ 141.5355,
100.3674, 168.8359

■ 0.0000, 0.0000,
0.0000

■ 176.0705,

128.5890, 209.4401

215.8106,
161.6595, 256.0824

■ 23.1710, 11.3367,
28.5707

■ 23.1710, 11.3367,
28.5707

■ 23.1709, 11.3367,
28.5693

■ 23.6119, 11.8495,
29.8549

■ 24.2456, 12.7388,
31.2319

■ 25.1452, 14.1505,
32.7262

■ 26.3449, 16.1530,
34.3494

■ 27.8737, 18.8044,
36.1115

■ 29.7572, 22.1557,
38.0211

■ 32.0185, 26.2528,
40.0861

■ 34.6785, 31.1378,
42.3138

■ 37.7568, 36.8497,
44.7107

Harmonies

Analogous

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



18.0315, 11.3367, 54.7444



23.1710, 11.3367, 28.5707



24.5776, 11.3367, 9.4907

Triad

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



23.1710, 11.3367, 28.5707



9.7265, 11.3367, 0.0000



4.4163, 11.3367, 39.0569

Complementary

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



23.1710, 11.3367, 28.5707



15.7478, 31.1400, 6.3445

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.



3.4429, 11.3367, 15.7179



23.1710, 11.3367, 28.5707



5.7853, 11.3367, 0.4875

Square

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



23.1710, 11.3367, 28.5707



15.5111, 11.3367, 0.0000



3.8445, 11.3367, 3.8337



7.1171, 11.3367, 63.5648

Rectangle

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



23.1710, 11.3367, 28.5707



22.9055, 11.3367, 3.4006



3.8445, 11.3367, 3.8337



3.9255, 11.3367, 30.3243

Sweetspot

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



23.1714, 11.3373, 28.5709



57.8317, 47.1780, 72.4934



8.2736, 3.3603, 41.2873



12.1527, 9.5325, 15.3707



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1714, 11.3373, 28.5709



41.9518, 20.5320, 51.4350



18.7639, 9.5743, 5.3613



8.7887, 8.6222, 10.3857



17.0191, 8.3252, 21.0583



0.5515, 0.2683, 0.7468

Inverse Universe

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



23.1714, 11.3373, 28.5709



41.9518, 20.5320, 51.4350



18.5863, 32.2754, 21.2919



8.7887, 8.6222, 10.3857



17.0191, 8.3252, 21.0583



0.5515, 0.2683, 0.7468

Previews

White Background



This preview shows how the XYZ color 23.1710, 11.3367, 28.5707 looks on a white background.

Color Contrast Check

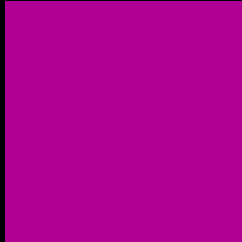
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1710, 11.3367, 28.5707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

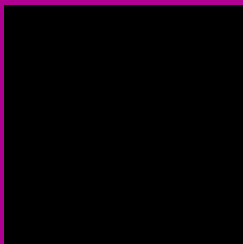
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1710, 11.3367, 28.5707

Background



This preview shows how black text looks on a background with the XYZ color 23.1710, 11.3367, 28.5707.



This preview shows how white text looks on a background with the XYZ color 23.1710, 11.3367,

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

23.1710, 11.3367, 28.5707

Protanopia

14.3115, 12.1289, 55.6196

Deuteranopia

12.2500, 11.9946, 25.7143



Tritanopia

18.7175, 11.7981, 5.7056

Trichromacy



Original Color

23.1710, 11.3367, 28.5707



Protanomaly

11.9684, 7.6170, 44.0194



Deuteranomaly

13.6789, 8.9736, 26.2104



Tritanomaly

19.6066, 10.8665, 11.1893

Monochromacy



Original Color

23.1710, 11.3367, 28.5707



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.2427, 5.8526, 11.9518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1710, 11.3367, 28.5707 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(176, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 147)  
}
```

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(176, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.1710, 11.3367, 28.5707 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(176, 0, 147) }
```


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

```
.border{ border-color:rgb(176, 0, 147) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1710, 11.3367, 28.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 147) }
```

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

```
.background{ background-color: rgb(176, 0,  
147) }
```

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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