

Converting Colors

XYZ(23.4610, 11.5186, 27.1202)

Have a look what the booklet for
XYZ(23.4610, 11.5186, 27.1202)
contains.

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Color

**XYZ(23.5483, 11.5669,
26.9781)**

Conversions

Conversions Part 1

Format	Color
Hex	B3008F
RGB	179, 0, 143
RGB Percent	70%, 0%, 56%
CMY	0.2980, 0.9999, 0.4392
CMYK	0.00, 1.00, 0.20, 0.30
HSL	312°, 100%, 35%
HSV	312°, 100%, 70%
XYZ	23.5483, 11.5669, 26.9781
YIQ	69.8230, 60.7810, 82.4210

Conversions

Conversions Part 2

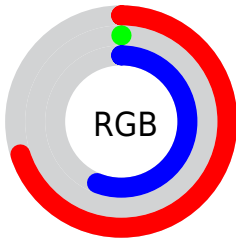
Format	Color
R_{YB}	179, 0, 143
Decimal	11731087
CIE _{Lab}	40.52, 70.42, -28.17
CIE _{LCh}	41, 75.842, 338.197
Yxy	11.5669, 0.3792, 0.1863
Android (android.graphics.Color)	4289921167 (0xFFB3008F)
YUV	69.8230, 36.0763, 95.7482
Hunter-Lab	34.0101, 64.0739, -23.2239

Details

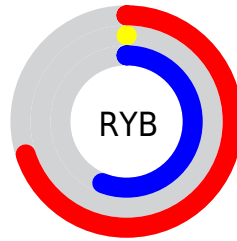
The XYZ color **23.5483, 11.5669, 26.9781** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **16.4393, 32.3680, 7.0525**, and the grayscale version is **5.7298, 6.0282, 6.5647**.

A 20% lighter version of the original color is **48.8450, 28.7226, 55.7929**, and **9.8169, 4.8377, 10.5416** is the 20% darker color. If you saturate the color by 10%, you get **23.5480, 11.5667, 26.9760**, and if you desaturate by 10%, it is **24.0408, 12.1081, 28.5098**.

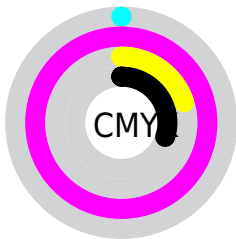
Distribution



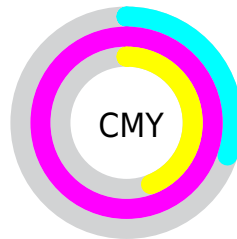
- Red (70%)
- Green (0%)
- Blue (56%)



- Red (70%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5483, 11.5669, 26.9781 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 23.5483, 11.5669, 26.9781 by changing the saturation by 10% instead.


 23.5483, 11.5669,
26.9781


 23.5483, 11.5669,
26.9781


263.0119,
201.5166, 301.3079


 15.1218, 6.4495,
17.3245

 48.7521, 28.7038,
55.8520


 8.9918, 3.1203,
10.3017


 66.2602, 41.4921,
75.9094


 4.7929, 1.1949,
5.4912

 87.5262, 57.6062,
100.2718

 2.1598, 0.0575,
2.4745

 112.9154, 77.4304,
129.3578

 0.7214, 0.0000,
0.8266

 142.7932,
101.3491, 163.5858

 0.0000, 0.0000,
0.0000

 177.5250,

129.7468, 203.3745

217.4761,
163.0078, 249.1423

■ 23.5483, 11.5669,
26.9781

■ 23.5483, 11.5669,
26.9781

■ 23.5480, 11.5667,
26.9760

■ 24.0408, 12.1081,
28.5098

■ 24.7374, 13.0436,
30.1531

■ 25.7132, 14.5233,
31.9335

■ 27.0040, 16.6185,
33.8632

■ 28.6402, 19.3899,
35.9527

■ 30.6483, 22.8907,
38.2114

■ 33.0525, 27.1688,
40.6476

■ 35.8748, 32.2681,
43.2690

■ 39.1354, 38.2292,
46.0827

Harmonies

Analogous

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



18.6439, 11.5669, 52.7219



23.5483, 11.5669, 26.9781



24.6101, 11.5669, 8.8500

Triad

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



23.5483, 11.5669, 26.9781



9.5941, 11.5669, 0.0000



4.7378, 11.5669, 40.9330

Complementary

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



23.5483, 11.5669, 26.9781



16.4393, 32.3680, 7.0525

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.



3.6410, 11.5669, 17.2692



23.5483, 11.5669, 26.9781



5.7886, 11.5669, 0.7171

Square

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



23.5483, 11.5669, 26.9781



15.2657, 11.5669, 0.0000



3.9508, 11.5669, 4.5253



7.6043, 11.5669, 64.3783

Rectangle

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



23.5483, 11.5669, 26.9781



22.7533, 11.5669, 3.1832



3.9508, 11.5669, 4.5253



4.2005, 11.5669, 32.2246

Sweetspot

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



23.5487, 11.5675, 26.9783



58.9531, 48.2228, 72.5628



8.8584, 3.6272, 42.8812



12.6473, 9.9446, 15.6662



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.



23.5487, 11.5675, 26.9783



42.0914, 20.6828, 47.8797



19.2500, 9.8480, 4.3418



8.7753, 8.6168, 10.3153



16.6636, 8.1830, 19.1865



0.5429, 0.2649, 0.7018

Inverse Universe

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



23.5487, 11.5675, 26.9783



42.0914, 20.6828, 47.8797



19.8419, 33.7290, 24.9701



8.7753, 8.6168, 10.3153



16.6636, 8.1830, 19.1865



0.5429, 0.2649, 0.7018

Previews

White Background



This preview shows how the XYZ color 23.5483, 11.5669, 26.9781 looks on a white background.

Color Contrast Check

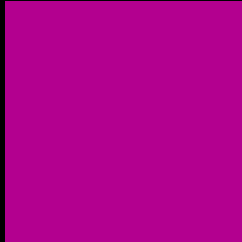
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5483, 11.5669, 26.9781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

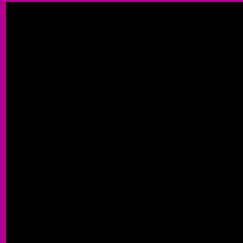
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5483, 11.5669, 26.9781

Background



This preview shows how black text looks on a background with the XYZ color 23.5483, 11.5669, 26.9781.



This preview shows how white text looks on a background with the XYZ color 23.5483, 11.5669,

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

23.5483, 11.5669, 26.9781

Protanopia

14.5453, 12.2225, 56.8509

Deuteranopia

12.5083, 12.2969, 24.2685



Tritanopia

19.2168, 11.9148, 5.4246

Trichromacy



Original Color

23.5483, 11.5669, 26.9781



Protanomaly

12.0341, 7.6508, 44.0225



Deuteranomaly

13.9837, 9.2445, 24.7142



Tritanomaly

20.1555, 11.1139, 10.7557

Monochromacy



Original Color

23.5483, 11.5669, 26.9781



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.5265, 6.0548, 11.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5483, 11.5669, 26.9781 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(179, 0, 143)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 143)  
}
```

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(179, 0, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.5483, 11.5669, 26.9781 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(179, 0, 143) }
```


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

```
.border{ border-color:rgb(179, 0, 143) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 143);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5483, 11.5669, 26.9781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 143) }
```

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

```
.background{ background-color: rgb(179, 0,  
143) }
```

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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