

Converting Colors

XYZ(23.3379, 11.4567, 62.3241)

Have a look what the booklet for
XYZ(23.3379, 11.4567, 62.3241)
contains.

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Color

**XYZ(23.4297, 11.4870,
62.6103)**

Conversions

Conversions Part 1

Format	Color
Hex	8E20D3
RGB	142, 32, 211
RGB Percent	56%, 13%, 83%
CMY	0.4431, 0.8745, 0.1725
CMYK	0.33, 0.85, 0.00, 0.17
HSL	277°, 74%, 48%
HSV	277°, 85%, 83%
XYZ	23.4297, 11.4870, 62.6103
YIQ	85.2960, 8.1010, 78.9890

Conversions

Conversions Part 2

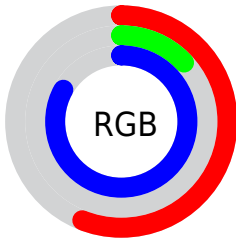
Format	Color
R_{YB}	142, 32, 211
Decimal	9314515
CIE _{Lab}	40.39, 70.45, -69.09
CIE _{LCh}	40, 98.675, 315.558
Yxy	11.4870, 0.2402, 0.1178
Android (android.graphics.Color)	4287504595 (0xFF8E20D3)
YUV	85.2960, 61.9721, 49.7294
Hunter-Lab	33.8925, 64.0843, -85.8030

Details

The XYZ color **23.4297, 11.4870, 62.6103** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **28.9220, 49.4597, 9.3890**, and the grayscale version is **8.5703, 9.0166, 9.8191**.

A 20% lighter version of the original color is **46.1401, 27.6429, 97.5115**, and **9.4837, 4.2056, 31.3223** is the 20% darker color. If you saturate the color by 10%, you get **21.6872, 9.9979, 62.4150**, and if you desaturate by 10%, it is **25.6385, 13.7557, 62.9320**.

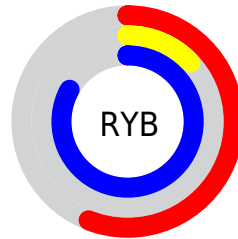
Distribution



Red (56%)

Green (13%)

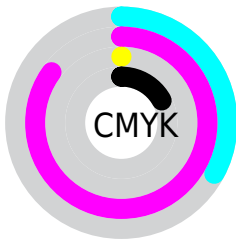
Blue (83%)



Red (56%)

Yellow (13%)

Blue (83%)

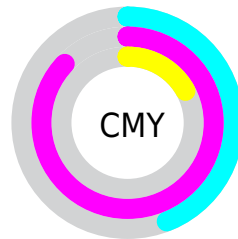


Cyan (33%)

Magenta (85%)

Yellow (0%)

Black (17%)



Cyan (44%)

Magenta (87%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4297, 11.4870, 62.6103 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 23.4297, 11.4870, 62.6103 by changing the saturation by 10% instead.

23.4297, 11.4870,
62.6103

23.4297, 11.4870,
62.6103

262.4187,
200.9789, 452.2228

15.0336, 6.3954,
45.0870

48.5594, 28.5573,
110.1872

8.9294, 3.0870,
31.1825

66.0237, 41.3047,
141.0780

4.7519, 1.1773,
20.4783

87.2414, 57.3729,
177.2617

2.1357, 0.0431,
12.5557

112.5779, 77.1463,
219.1568

0.7085, 0.0000,
6.9962

142.3985,
101.0091, 267.1820

0.0000, 0.0000,
3.3813

177.0686,

0.0000, 0.0000,

129.3459, 321.7556

1.2925

216.9536,
162.5410, 383.2964

■ 0.0000, 0.0000,
0.0556

■ 0.0000, 0.0000,
0.0000

■ 23.4297, 11.4870,
62.6103

■ 23.4297, 11.4870,
62.6103

■ 21.6872, 9.9979,
62.4150

■ 25.6385, 13.7557,
62.9320

■ 20.9128, 9.4227,
62.3447

■ 28.3739, 16.9243,
63.3995

■ 31.6880, 21.0929,
64.0294

■ 35.6251, 26.3475,
64.8361

40.2252, 32.7647,
65.8323

45.5242, 40.4140,
67.0295

51.5556, 49.3594,
68.4382

58.3503, 59.6602,
70.0684

65.9375, 71.3721,
71.9291

Harmonies

Analogous

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



14.8872, 11.4870, 96.7572



23.4297, 11.4870, 62.6103



29.5215, 11.4870, 24.6118

Triad

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



23.4297, 11.4870, 62.6103



14.5814, 11.4870, 0.0000



2.4648, 11.4870, 25.7551

Complementary

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



23.4297, 11.4870, 62.6103



28.9220, 49.4597, 9.3890

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.



2.4400, 11.4870, 5.2110



23.4297, 11.4870, 62.6103



7.7257, 11.4870, 0.0000

Square

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



23.4297, 11.4870, 62.6103



23.1261, 11.4870, 0.0000



3.9101, 11.4870, 0.0381



4.0033, 11.4870, 64.1591

Rectangle

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



23.4297, 11.4870, 62.6103



30.2211, 11.4870, 9.1694



3.9101, 11.4870, 0.0381



2.3106, 11.4870, 16.5707

Sweetspot

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



23.4303, 11.4874, 62.6106



69.5056, 61.4844, 102.8121



17.2640, 14.8310, 63.5810



14.2353, 12.2264, 21.8596



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.4303, 11.4874, 62.6106



31.8974, 14.3586, 95.6980



37.0175, 18.7369, 52.1765



11.8511, 11.7721, 14.8913



12.7384, 5.7472, 37.6304



0.7995, 0.3663, 2.1081

Inverse Universe

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



29.7296, 15.8217, 13.7990



43.4585, 22.1474, 13.6125



24.4637, 47.1253, 10.8133



11.9946, 11.8826, 13.2476



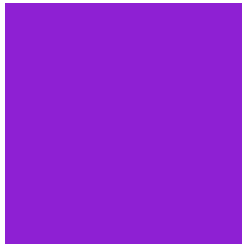
17.1629, 8.7380, 5.7639



0.9980, 0.5039, 0.5242

Previews

White Background



This preview shows how the XYZ color 23.4297, 11.4870, 62.6103 looks on a white background.

Color Contrast Check

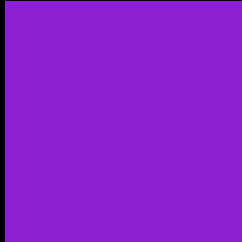
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4297, 11.4870, 62.6103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

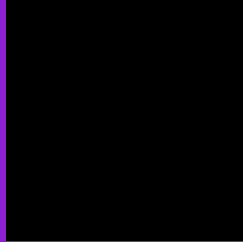
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4297, 11.4870, 62.6103

Background



This preview shows how black text looks on a background with the XYZ color 23.4297, 11.4870, 62.6103.



This preview shows how white text looks on a background with the XYZ color 23.4297, 11.4870,

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

23.4297, 11.4870, 62.6103

Protanopia

13.7647, 11.7688, 53.1759

Deuteranopia

11.5291, 11.5999, 39.1675



Tritanopia

13.1887, 11.5108, 11.8826

Trichromacy



Original Color

23.4297, 11.4870, 62.6103

Protanomaly

14.2120, 9.4536, 56.3340

Deuteranomaly

12.5167, 9.0883, 46.4419

Tritanomaly

15.4454, 10.3411, 24.4745

Monochromacy



Original Color

23.4297, 11.4870, 62.6103

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.9888, 8.5993, 22.5007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4297, 11.4870, 62.6103 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(142, 32, 211)` looks like.

```
.text, #text, p{  
    color:rgb(142, 32, 211)  
}
```

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(142, 32, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 32, 211) }
```

Border

The CSS property to change the border of an element to XYZ 23.4297, 11.4870, 62.6103 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(142, 32, 211) }
```


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

```
.border{ border-color:rgb(142, 32, 211) }
```

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

Here you see how a box with a 4 pixel rgb(142, 32, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 32, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 32, 211);  
box-shadow:4px 4px 4px 4px rgb(142, 32,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4297, 11.4870, 62.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 32, 211) }
```

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

```
.background{ background-color: rgb(142, 32,  
211) }
```

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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