

Converting Colors

XYZ(23.1080, 10.5600, 62.1933)

Have a look what the booklet for
XYZ(23.1080, 10.5600, 62.1933)
contains.

XYZ(23.0856, 10.5428, 62.4462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0856, 10.5428,
62.4462)**

Conversions

Conversions Part 1

Format	Color
Hex	8F00D3
RGB	143, 0, 211
RGB Percent	56%, 0%, 83%
CMY	0.4392, 1.0000, 0.1725
CMYK	0.32, 1.00, 0.00, 0.17
HSL	281°, 100%, 41%
HSV	281°, 100%, 83%
XYZ	23.0856, 10.5428, 62.4462
YIQ	66.8110, 17.4970, 95.9370

Conversions

Conversions Part 2

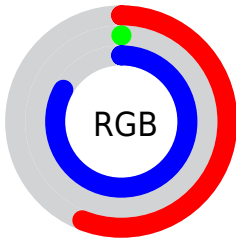
Format	Color
RYB	143, 0, 211
Decimal	9371859
CIELab	38.80, 75.76, -71.69
CIElCh	39, 104.299, 316.583
Yxy	10.5428, 0.2403, 0.1097
Android (android.graphics.Color)	4287561939 (0xFF8F00D3)
YUV	66.8110, 71.0852, 66.8178
Hunter-Lab	32.4697, 70.0897, -91.2987

Details

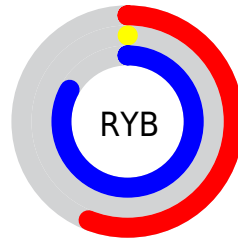
The XYZ color **23.0856, 10.5428, 62.4462** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **25.6782, 47.8176, 7.8764**, and the grayscale version is **5.1958, 5.4664, 5.9529**.

A 20% lighter version of the original color is **45.6959, 25.9511, 97.2084**, and **9.4837, 4.2056, 31.3223** is the 20% darker color. If you saturate the color by 10%, you get **23.0861, 10.5430, 62.4465**, and if you desaturate by 10%, it is **24.5694, 11.7086, 62.5932**.

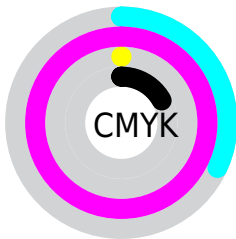
Distribution



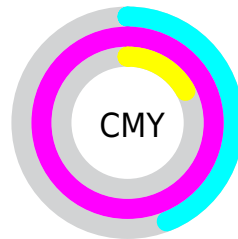
- Red (56%)
- Green (0%)
- Blue (83%)



- Red (56%)
- Yellow (0%)
- Blue (83%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (44%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0856, 10.5428, 62.4462 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 23.0856, 10.5428, 62.4462 by changing the saturation by 10% instead.

■ 23.0856, 10.5428,
62.4462

■ 23.0856, 10.5428,
62.4462

260.6915,
194.5034, 451.6093

■ 14.7778, 5.7603,
44.9552

■ 47.9995, 26.8116,
109.9480

■ 8.7489, 2.6999,
31.0795

■ 65.3362, 39.0666,
140.7959

■ 4.6335, 0.9771,
20.4004

■ 86.4133, 54.5813,
176.9332

■ 2.0664, 0.0000,
12.4995

■ 111.5961, 73.7401,
218.7784

■ 0.6709, 0.0000,
6.9581

■ 141.2500, 96.9273,
266.7501

■ 0.0000, 0.0000,
3.3579

■ 175.7403,

■ 0.0000, 0.0000,

124.5273, 321.2668

1.2802

215.4323,
156.9246, 382.7470

■ 0.0000, 0.0000,
0.0454

■ 0.0000, 0.0000,
0.0000

■ 23.0856, 10.5428,
62.4462

■ 23.0856, 10.5428,
62.4462

■ 23.0861, 10.5430,
62.4465

■ 24.5694, 11.7086,
62.5932

■ 26.4203, 13.5017,
62.8418

■ 28.7390, 16.1208,
63.2251

■ 31.5809, 19.6751,
63.7614

■ 34.9927, 24.2563,
64.4658

■ 39.0158, 29.9453,
65.3519

■ 43.6870, 36.8145,
66.4316

■ 49.0404, 44.9302,
67.7159

■ 55.1073, 54.3536,
69.2150

Harmonies

Analogous

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



14.3065, 10.5428, 100.0565



23.0856, 10.5428, 62.4462



29.2721, 10.5428, 22.7532

Triad

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



23.0856, 10.5428, 62.4462



13.4272, 10.5428, 0.0000



1.9230, 10.5428, 26.1062

Complementary

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



23.0856, 10.5428, 62.4462



25.6782, 47.8176, 7.8764

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.



1.8606, 10.5428, 4.7246



23.0856, 10.5428, 62.4462



6.6896, 10.5428, 0.0000

Square

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



23.0856, 10.5428, 62.4462



22.1930, 10.5428, 0.0000



3.1406, 10.5428, 0.0000



3.3859, 10.5428, 67.1525

Rectangle

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



23.0856, 10.5428, 62.4462



29.8373, 10.5428, 7.6495



3.1406, 10.5428, 0.0000



1.7725, 10.5428, 16.4121

Sweetspot

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



23.0862, 10.5431, 62.4465



66.8146, 56.1406, 101.9224



13.9691, 9.1255, 62.6534



13.6232, 11.0112, 21.6573



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.



23.0862, 10.5431, 62.4465



35.2444, 16.0841, 95.8547



34.6841, 16.9770, 42.4370



11.9250, 11.8102, 14.8947



14.0435, 6.4200, 37.6915



0.8662, 0.4007, 2.1113

Inverse Universe

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



27.9074, 14.2663, 6.7515



42.7697, 21.8719, 9.9855



23.6002, 46.7110, 9.3755



11.9635, 11.8701, 13.0837



16.8838, 8.6264, 4.2944



0.9801, 0.4968, 0.4300

Previews

White Background



This preview shows how the XYZ color 23.0856, 10.5428, 62.4462 looks on a white background.

Color Contrast Check

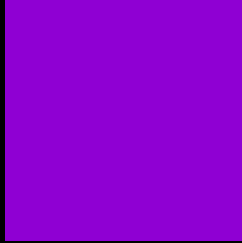
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0856, 10.5428, 62.4462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

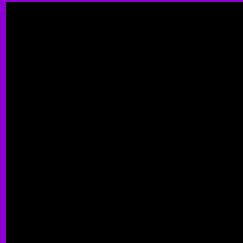
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0856, 10.5428, 62.4462

Background



This preview shows how black text looks on a background with the XYZ color 23.0856, 10.5428, 62.4462.



This preview shows how white text looks on a background with the XYZ color 23.0856, 10.5428,

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

23.0856, 10.5428, 62.4462

Protanopia

12.9504, 11.0300, 50.1616

Deuteranopia

10.8837, 11.0461, 36.6804



Tritanopia

12.7056, 10.8208, 10.8702

Trichromacy



Original Color

23.0856, 10.5428, 62.4462



Protanomaly

13.0723, 7.7335, 54.2298



Deuteranomaly

11.4254, 7.4037, 44.5429



Tritanomaly

14.5149, 8.8166, 23.1270

Monochromacy



Original Color

23.0856, 10.5428, 62.4462



Achromatopsia

5.3350, 5.6128, 6.1124



Achromatomaly

8.9130, 5.4926, 18.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0856, 10.5428, 62.4462 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(143, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 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(143, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 23.0856, 10.5428, 62.4462 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(143, 0, 211) }
```


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

```
.border{ border-color:rgb(143, 0, 211) }
```

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

Here you see how a box with a 4 pixel rgb(143, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0856, 10.5428, 62.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 211) }
```

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

```
.background{ background-color: rgb(143, 0,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor