

Converting Colors

XYZ(23.0519, 13.1612, 41.8862)

Have a look what the booklet for
XYZ(23.0519, 13.1612, 41.8862)
contains.

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Color

**XYZ(23.1056, 13.1895,
41.8855)**

Conversions

Conversions Part 1

Format	Color
Hex	9D39AF
RGB	157, 57, 175
RGB Percent	62%, 22%, 69%
CMY	0.3843, 0.7765, 0.3137
CMYK	0.10, 0.67, 0.00, 0.31
HSL	291°, 51%, 45%
HSV	291°, 67%, 69%
XYZ	23.1056, 13.1895, 41.8855
YIQ	100.3520, 21.7220, 57.8980

Conversions

Conversions Part 2

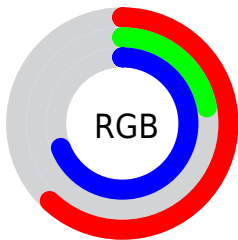
Format	Color
R_{YB}	157, 57, 175
Decimal	10303919
CIE _{Lab}	43.05, 57.54, -43.65
CIE _{LCh}	43, 72.222, 322.816
Yxy	13.1895, 0.2955, 0.1687
Android (android.graphics.Color)	4288493999 (0xFF9D39AF)
YUV	100.3520, 36.8015, 49.6803
Hunter-Lab	36.3174, 50.0088, -42.9582

Details

The XYZ color **23.1056, 13.1895, 41.8855** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.9706, 32.4516, 9.1354**, and the grayscale version is **12.1086, 12.7392, 13.8730**.

A 20% lighter version of the original color is **47.9495, 31.6540, 79.1839**, and **8.9923, 4.2299, 18.7549** is the 20% darker color. If you saturate the color by 10%, you get **21.8698, 11.4822, 41.6213**, and if you desaturate by 10%, it is **24.6520, 15.5000, 42.2502**.

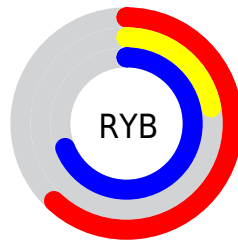
Distribution



Red (62%)

Green (22%)

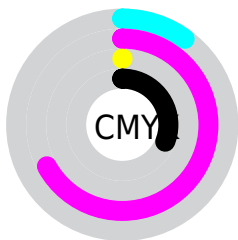
Blue (69%)



Red (62%)

Yellow (22%)

Blue (69%)

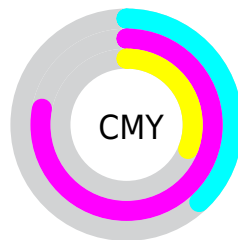


Cyan (10%)

Magenta (67%)

Yellow (0%)

Black (31%)



Cyan (38%)

Magenta (78%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1056, 13.1895, 41.8855 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 23.1056, 13.1895, 41.8855 by changing the saturation by 10% instead.

■ 23.1056, 13.1895,
41.8855

■ 23.1056, 13.1895,
41.8855

260.7921,
212.1286, 369.7937

■ 14.7926, 7.5592,
28.6867

■ 48.0320, 31.6438,
79.2945

■ 8.7593, 3.8142,
18.6004

■ 65.3762, 45.2366,
104.3419

■ 4.6404, 1.5702,
11.2080

■ 86.4615, 62.2523,
134.1758

■ 2.0704, 0.3374,
6.0910

■ 111.6533, 83.0753,
169.2149

■ 0.6731, 0.0000,
2.8308

■ 141.3169,
108.0901, 209.8777

■ 0.0000, 0.0000,
1.0089

175.8176,

■ 0.0000, 0.0000,

137.6809, 256.5828

0.0000

215.5209,
172.2323, 309.7486

■ 23.1056, 13.1895,
41.8855

■ 23.1056, 13.1895,
41.8855

■ 21.8698, 11.4822,
41.6213

■ 24.6520, 15.5000,
42.2502

■ 20.9107, 10.3120,
41.4460

■ 26.5349, 18.4673,
42.7237

■ 20.1799, 9.5818,
41.3436

■ 28.7796, 22.1407,
43.3144

■ 20.0061, 9.4196,
41.3214

■ 31.4081, 26.5647,
44.0298

■ 34.4408, 31.7798,
44.8766

■ 37.8966, 37.8237,
45.8610

■ 41.7932, 44.7317,
46.9890

■ 46.1473, 52.5370,
48.2661

■ 50.9746, 61.2711,
49.6975

Harmonies

Analogous

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



17.1465, 13.1895, 64.9714



23.1056, 13.1895, 41.8855



26.3852, 13.1895, 18.5327

Triad

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



23.1056, 13.1895, 41.8855



13.9188, 13.1895, 0.1793



5.0479, 13.1895, 29.7720

Complementary

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



23.1056, 13.1895, 41.8855



18.9706, 32.4516, 9.1354

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.



4.6492, 13.1895, 10.8678



23.1056, 13.1895, 41.8855



8.8366, 13.1895, 0.5347

Square

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



23.1056, 13.1895, 41.8855



20.1557, 13.1895, 1.1806



5.8112, 13.1895, 2.6770



7.1292, 13.1895, 55.0664

Rectangle

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



23.1056, 13.1895, 41.8855



26.0873, 13.1895, 8.5925



5.8112, 13.1895, 2.6770



4.7438, 13.1895, 22.2634

Sweetspot

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



23.1061, 13.1901, 41.8858



60.0193, 54.0390, 79.9041



12.0563, 9.2269, 41.7032



13.0043, 11.4328, 17.6657



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.



23.1061, 13.1901, 41.8858



38.2555, 19.4094, 74.3670



23.5630, 13.8088, 24.5926



8.2153, 8.0853, 10.0803



14.3685, 6.7671, 29.5934



0.4316, 0.2047, 0.8247

Inverse Universe

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



20.4127, 12.5487, 8.0035



33.6736, 18.5163, 7.7877



19.1445, 32.3808, 16.3888



8.0532, 8.0345, 8.5910



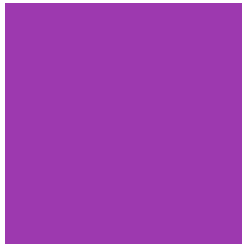
12.8148, 6.5885, 1.4043



0.3714, 0.1892, 0.1175

Previews

White Background



This preview shows how the XYZ color 23.1056, 13.1895, 41.8855 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 23.1056, 13.1895, 41.8855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

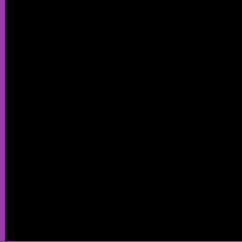
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1056, 13.1895, 41.8855

Background



This preview shows how black text looks on a background with the XYZ color 23.1056, 13.1895, 41.8855.

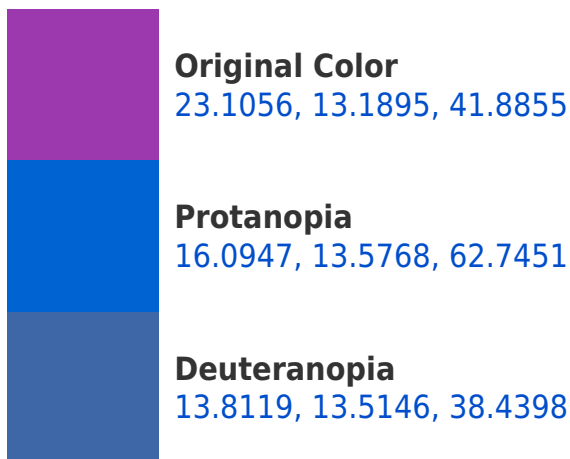


This preview shows how white text looks on a background with the XYZ color 23.1056, 13.1895,

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





Tritanopia

16.8698, 13.1898, 11.3296

Trichromacy



Original Color

23.1056, 13.1895, 41.8855



Protanomaly

14.9357, 11.2417, 54.2060



Deuteranomaly

15.5133, 12.0992, 39.5480



Tritanomaly

18.4776, 12.7621, 19.5786

Monochromacy



Original Color

23.1056, 13.1895, 41.8855



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.8862, 11.9379, 21.5983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1056, 13.1895, 41.8855 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(157, 57, 175)` looks like.

```
.text, #text, p{  
    color:rgb(157, 57, 175)  
}
```

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(157, 57, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 57, 175) }
```

Border

The CSS property to change the border of an element to XYZ 23.1056, 13.1895, 41.8855 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(157, 57, 175) }
```


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

```
.border{ border-color:rgb(157, 57, 175) }
```

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

Here you see how a box with a 4 pixel rgb(157, 57, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 57, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 57, 175);  
box-shadow:4px 4px 4px 4px rgb(157, 57,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1056, 13.1895, 41.8855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 57, 175) }
```

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

```
.background{ background-color: rgb(157, 57,  
175) }
```

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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