

Converting Colors

XYZ(23.1314, 13.4437, 22.9122)

Have a look what the booklet for
XYZ(23.1314, 13.4437, 22.9122)
contains.

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Color

**XYZ(23.1421, 13.4850,
22.8559)**

Conversions

Conversions Part 1

Format	Color
Hex	AF3783
RGB	175, 55, 131
RGB Percent	69%, 22%, 51%
CMY	0.3137, 0.7843, 0.4863
CMYK	0.00, 0.69, 0.25, 0.31
HSL	322°, 52%, 45%
HSV	322°, 69%, 69%
XYZ	23.1421, 13.4850, 22.8559
YIQ	99.5440, 47.1240, 49.0760

Conversions

Conversions Part 2

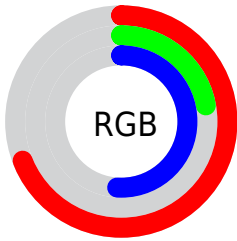
Format	Color
R_{YB}	175, 55, 131
Decimal	11483011
CIE _{Lab}	43.49, 55.82, -16.30
CIE _{LCh}	43, 58.148, 343.719
Yxy	13.4850, 0.3891, 0.2267
Android (android.graphics.Color)	4289673091 (0xFFAF3783)
YUV	99.5440, 15.5078, 66.1749
Hunter-Lab	36.7219, 48.2270, -11.1970

Details

The XYZ color **23.1421, 13.4850, 22.8559** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **19.1584, 32.3734, 17.0449**, and the grayscale version is **11.9514, 12.5738, 13.6929**.

A 20% lighter version of the original color is **48.2679, 32.3220, 49.0422**, and **9.0930, 4.5160, 8.1770** is the 20% darker color. If you saturate the color by 10%, you get **22.0318, 11.9389, 20.4061**, and if you desaturate by 10%, it is **24.5749, 15.6326, 25.5464**.

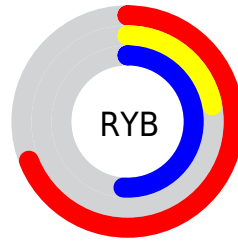
Distribution



Red (69%)

Green (22%)

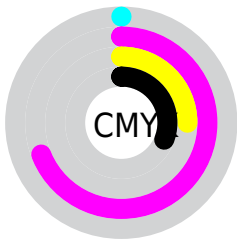
Blue (51%)



Red (69%)

Yellow (22%)

Blue (51%)

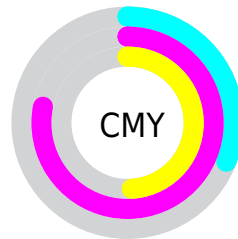


Cyan (0%)

Magenta (69%)

Yellow (25%)

Black (31%)



Cyan (31%)


Magenta (78%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1421, 13.4850, 22.8559 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 23.1421, 13.4850, 22.8559 by changing the saturation by 10% instead.


 23.1421, 13.4850,
22.8559


 23.1421, 13.4850,
22.8559


260.9757,
214.0030, 280.0819


 14.8197, 7.7634,
14.2828


 48.0915, 32.1724,
49.0768


 8.7785, 3.9439,
8.1767


 65.4492, 45.9069,
67.5617


 4.6529, 1.6422,
4.1188

 86.5495, 63.0813,
90.1877

 2.0777, 0.3858,
1.6907

 111.7576, 84.0797,
117.3732

 0.6771, 0.0000,
0.3544

 141.4389,
109.2867, 149.5369

 0.0000, 0.0000,
0.0000

175.9588,

139.0867, 187.0972

215.6826,
173.8640, 230.4727

■ 23.1421, 13.4850,
22.8559

■ 23.1421, 13.4850,
22.8559

■ 22.0318, 11.9389,
20.4061

■ 24.5749, 15.6326,
25.5464

■ 21.2094, 10.9265,
18.1826

■ 26.3574, 18.4360,
28.4886

■ 20.6172, 10.3327,
16.1640

■ 28.5152, 21.9454,
31.6934

■ 20.5392, 10.2580,
15.8875

■ 31.0712, 26.2059,
35.1707

■ 34.0463, 31.2585,
38.9295

■ 37.4599, 37.1414,
42.9785

■ 41.3302, 43.8902,
47.3258

■ 45.6742, 51.5385,
51.9791

■ 50.5082, 60.1181,
56.9457

Harmonies

Analogous

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



19.8379, 13.4850, 41.1388



23.1421, 13.4850, 22.8559



23.2920, 13.4850, 9.5206

Triad

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



23.1421, 13.4850, 22.8559



10.8582, 13.4850, 1.3309



7.4912, 13.4850, 39.5900

Complementary

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



23.1421, 13.4850, 22.8559



19.1584, 32.3734, 17.0449

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.



6.0750, 13.4850, 21.4381



23.1421, 13.4850, 22.8559



7.6856, 13.4850, 3.0191

Square

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



23.1421, 13.4850, 22.8559



15.4204, 13.4850, 1.3901



6.1365, 13.4850, 8.7355



10.5246, 13.4850, 54.0691

Rectangle

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



23.1421, 13.4850, 22.8559



21.5245, 13.4850, 4.7248



6.1365, 13.4850, 8.7355



6.8461, 13.4850, 33.3680

Sweetspot

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



23.1425, 13.4857, 22.8561



59.4086, 53.3065, 67.7878



14.2504, 8.4810, 41.4435



12.8806, 11.2976, 14.6600



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.



23.1425, 13.4857, 22.8561



38.6835, 20.3915, 34.5664



20.1833, 12.3020, 7.2729



8.2106, 8.0975, 9.4197



14.7391, 7.3582, 11.5373



0.4351, 0.2147, 0.4533

Inverse Universe

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



23.1425, 13.4857, 22.8561



38.6835, 20.3915, 34.5664



23.1640, 33.9757, 38.1385



8.2106, 8.0975, 9.4197



14.7391, 7.3582, 11.5373



0.4351, 0.2147, 0.4533

Previews

White Background



This preview shows how the XYZ color 23.1421, 13.4850, 22.8559 looks on a white background.

Color Contrast Check

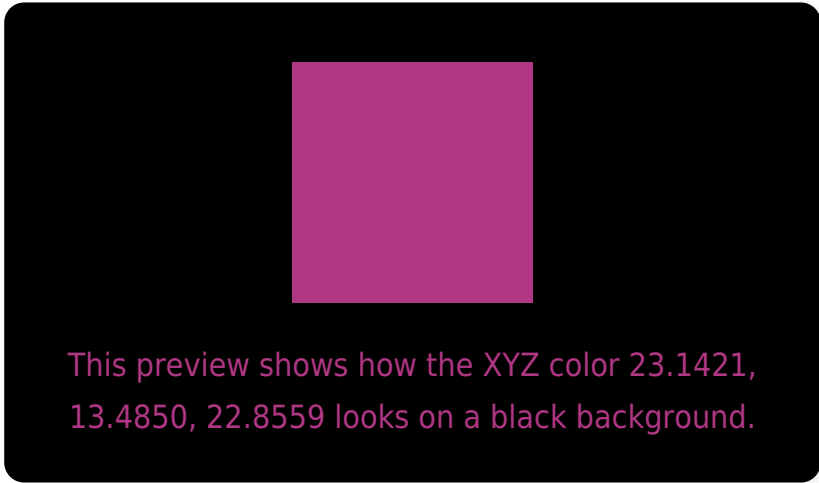
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 23.1421, 13.4850, 22.8559

Background



This preview shows how black text looks on a background with the XYZ color 23.1421, 13.4850, 22.8559.



This preview shows how white text looks on a background with the XYZ color 23.1421, 13.4850,

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

23.1421, 13.4850, 22.8559

Protanopia

14.8588, 13.9182, 37.9797

Deuteranopia

13.8853, 13.6462, 20.9709



Tritanopia

20.0377, 13.4344, 8.1936

Trichromacy



Original Color

23.1421, 13.4850, 22.8559

Protanomaly

15.9377, 12.3743, 31.6855

Deuteranomaly

16.0543, 12.5401, 21.6530

Tritanomaly

20.9691, 13.3775, 12.3034

Monochromacy



Original Color

23.1421, 13.4850, 22.8559

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.7920, 12.0004, 16.5756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1421, 13.4850, 22.8559 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(175, 55, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 55, 131)  
}
```

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(175, 55, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 55, 131) }
```

Border

The CSS property to change the border of an element to XYZ 23.1421, 13.4850, 22.8559 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(175, 55, 131) }
```


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

```
.border{ border-color:rgb(175, 55, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 55, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 55, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 55, 131);  
box-shadow:4px 4px 4px 4px rgb(175, 55,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1421, 13.4850, 22.8559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 55, 131) }
```

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

```
.background{ background-color: rgb(175, 55,  
131) }
```

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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