

Converting Colors

XYZ(31.5247, 23.1652, 45.1127)

Have a look what the booklet for
XYZ(31.5247, 23.1652, 45.1127)
contains.

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Color

**XYZ(31.4250, 23.0769,
44.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	B16BB2
RGB	177, 107, 178
RGB Percent	69%, 42%, 70%
CMY	0.3059, 0.5804, 0.3020
CMYK	0.01, 0.40, 0.00, 0.30
HSL	299°, 32%, 56%
HSV	299°, 40%, 70%
XYZ	31.4250, 23.0769, 44.9175
YIQ	136.0240, 18.9290, 36.9210

Conversions

Conversions Part 2

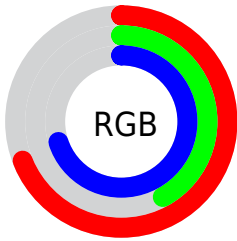
Format	Color
RYB	177, 107, 178
Decimal	11627442
CIELab	55.15, 39.05, -26.21
CIElCh	55, 47.032, 326.133
Yxy	23.0769, 0.3161, 0.2321
Android (android.graphics.Color)	4289817522 (0xFFB16BB2)
YUV	136.0240, 20.6942, 35.9360
Hunter-Lab	48.0384, 32.7010, -21.8112

Details

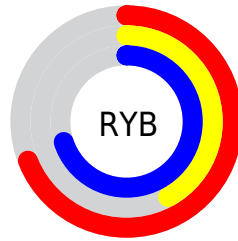
The XYZ color **31.4250, 23.0769, 44.9175** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.7595, 36.0911, 19.5725**, and the grayscale version is **23.3315, 24.5465, 26.7312**.

A 20% lighter version of the original color is **61.3538, 48.5745, 83.9840**, and **13.3332, 8.6179, 20.3627** is the 20% darker color. If you saturate the color by 10%, you get **29.7000, 19.7110, 44.3591**, and if you desaturate by 10%, it is **33.5337, 27.2089, 45.6042**.

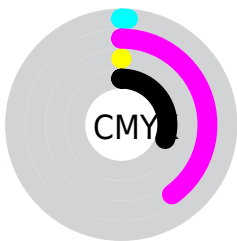
Distribution



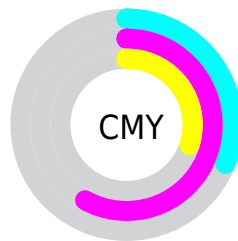
- Red (69%)
- Green (42%)
- Blue (70%)



- Red (69%)
- Yellow (42%)
- Blue (70%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (30%)





- Cyan (31%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4250, 23.0769, 44.9175 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 31.4250, 23.0769, 44.9175 by changing the saturation by 10% instead.


 31.4250, 23.0769,
44.9175


 31.4250, 23.0769,
44.9175


300.2836,
268.1197, 382.5897


 21.0761, 14.6503,
31.0500


 61.2799, 48.5196,
83.9137


 13.2924, 8.5743,
20.3781


 81.5166, 66.3044,
109.8795

 7.7086, 4.4646,
12.4834


 105.7799, 87.9775,
140.7151

 3.9593, 1.9367,
6.9473

 134.4352,
113.9231, 176.8391

 1.6791, 0.5703,
3.3512

167.8479,
144.5258, 218.6701

 0.4432, 0.0000,
1.2766

206.3833,

 0.0000, 0.0000,

180.1699, 266.6264

0.0425

250.4067,
221.2397, 321.1268

■ 0.0000, 0.0000,
0.0000

■ 31.4250, 23.0769,
44.9175

■ 31.4250, 23.0769,
44.9175

■ 29.7000, 19.7110,
44.3591

■ 33.5337, 27.2089,
45.6042

■ 28.3326, 17.0609,
43.9196

■ 36.0452, 32.1470,
46.4250

■ 27.2976, 15.0752,
43.5909


■ 38.9805, 37.9323,
47.3870


■ 26.5650, 13.6942,
43.3629


■ 42.3580, 44.6021,
48.4964


■ 26.0998, 12.8478,
43.2241


■ 46.1954, 52.1915,
49.7590


 25.8291, 12.3904,
43.1501

 50.5093, 60.7336,
51.1805

 25.8262, 12.3856,
43.1493

 55.3154, 70.2601,
52.7659

 60.6288, 80.8009,
54.5205

 62.4458, 84.3487,
55.1095

Harmonies

Analogous

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



26.6855, 23.0769, 61.0271



31.4250, 23.0769, 44.9175



33.6209, 23.0769, 27.1266

Triad

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



31.4250, 23.0769, 44.9175



22.6215, 23.0769, 5.9159



14.0645, 23.0769, 40.1265

Complementary

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



31.4250, 23.0769, 44.9175



24.7595, 36.0911, 19.5725

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.



13.3278, 23.0769, 23.2278



31.4250, 23.0769, 44.9175



17.7827, 23.0769, 7.0870

Square

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



31.4250, 23.0769, 44.9175



28.0515, 23.0769, 7.9587



14.5767, 23.0769, 12.2177



16.7774, 23.0769, 57.5729

Rectangle

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



31.4250, 23.0769, 44.9175



33.1256, 23.0769, 17.9216



14.5767, 23.0769, 12.2177



13.5982, 23.0769, 34.0431

Sweetspot

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



31.4258, 23.0779, 44.9180



69.3817, 66.2104, 85.5042



19.4823, 17.1052, 44.3946



15.2158, 14.3618, 18.8924



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.



31.4258, 23.0779, 44.9180



54.1573, 36.3255, 80.5383



28.6285, 21.9854, 28.9946



8.8380, 8.6405, 10.7083



18.4836, 8.8644, 30.8738



0.5853, 0.2808, 0.9716

Inverse Universe

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



26.3254, 21.0642, 16.8669



43.6192, 32.1688, 22.3989



26.8160, 36.8997, 31.0331



8.5011, 8.5071, 8.8710



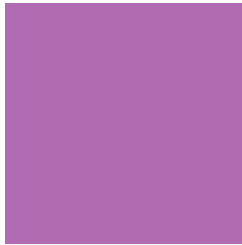
13.1487, 6.7770, 0.6770



0.4153, 0.2139, 0.0297

Previews

White Background



This preview shows how the XYZ color 31.4250, 23.0769, 44.9175 looks on a white background.

Color Contrast Check

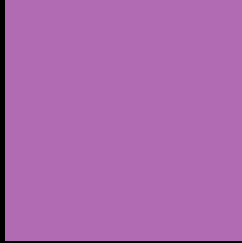
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.4250, 23.0769, 44.9175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

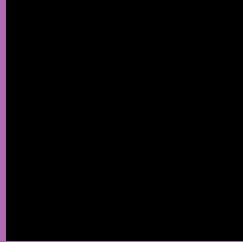
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4250, 23.0769, 44.9175

Background



This preview shows how black text looks on a background with the XYZ color 31.4250, 23.0769, 44.9175.



This preview shows how white text looks on a background with the XYZ color 31.4250, 23.0769,

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

31.4250, 23.0769, 44.9175

Protanopia

24.3768, 23.2658, 55.4305

Deuteranopia

23.7910, 23.2322, 43.2747



Tritanopia

26.8868, 23.0352, 23.1078

Trichromacy



Original Color

31.4250, 23.0769, 44.9175

Protanomaly

25.9764, 22.6615, 51.1491

Deuteranomaly

26.0251, 22.8539, 43.5970

Tritanomaly

28.4392, 22.9942, 30.1335

Monochromacy



Original Color

31.4250, 23.0769, 44.9175

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.6820, 23.4809, 32.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4250, 23.0769, 44.9175 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(177, 107, 178)` looks like.

```
.text, #text, p{  
    color:rgb(177, 107, 178)  
}
```

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(177, 107, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 107, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.4250, 23.0769, 44.9175 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(177, 107, 178) }
```


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

```
.border{ border-color:rgb(177, 107, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 107, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 107, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 107, 178);  
box-shadow:4px 4px 4px 4px rgb(177, 107,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4250, 23.0769, 44.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 107, 178) }
```

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

```
.background{ background-color: rgb(177,  
107, 178) }
```

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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