

Converting Colors

XYZ(23.3217, 17.9900, 28.9854)

Have a look what the booklet for
XYZ(23.3217, 17.9900, 28.9854)
contains.

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Color

**XYZ(23.2830, 18.0359,
29.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6391
RGB	156, 99, 145
RGB Percent	61%, 39%, 57%
CMY	0.3882, 0.6118, 0.4314
CMYK	0.00, 0.37, 0.07, 0.39
HSL	312°, 22%, 50%
HSV	312°, 37%, 61%
XYZ	23.2830, 18.0359, 29.0422
YIQ	121.2870, 19.2060, 26.3900

Conversions

Conversions Part 2

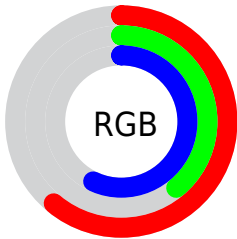
Format	Color
R _Y B	156, 99, 145
Decimal	10249105
CIE Lab	49.54, 30.35, -15.74
CIE LCh	50, 34.192, 332.586
Yxy	18.0359, 0.3309, 0.2563
Android (android.graphics.Color)	4288439185 (0xFF9C6391)
YUV	121.2870, 11.6905, 30.4433
Hunter-Lab	42.4687, 23.5405, -10.8174

Details

The XYZ color **23.2830, 18.0359, 29.0422** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.8493, 27.5560, 19.0256**, and the grayscale version is **18.2262, 19.1754, 20.8820**.

A 20% lighter version of the original color is **48.2394, 40.1056, 59.2315**, and **8.7545, 5.9729, 11.2812** is the 20% darker color. If you saturate the color by 10%, you get **21.7164, 15.2691, 27.3898**, and if you desaturate by 10%, it is **25.1423, 21.3777, 30.8229**.

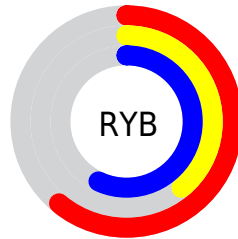
Distribution



Red (61%)

Green (39%)

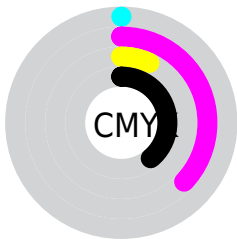
Blue (57%)



Red (61%)

Yellow (39%)

Blue (57%)

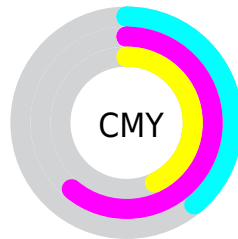


Cyan (0%)

Magenta (37%)

Yellow (7%)

Black (39%)



Cyan (39%)

Magenta (61%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2830, 18.0359, 29.0422 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 23.2830, 18.0359, 29.0422 by changing the saturation by 10% instead.

■ 23.2830, 18.0359,
29.0422

■ 23.2830, 18.0359,
29.0422

261.6835,
241.0733, 311.4812

■ 14.9245, 10.9758,
18.8669

■ 48.3208, 40.0985,
59.1871

■ 8.8524, 6.0505,
11.3983

■ 65.7308, 55.8697,
79.9938

■ 4.7013, 2.8758,
6.2179

■ 86.8887, 75.3135,
105.1814

■ 2.1061, 1.0673,
2.9071

■ 112.1598, 98.8141,
135.1683

■ 0.6925, 0.0000,
1.0474

141.9095,
126.7560, 170.3733

■ 0.0000, 0.0000,
0.0000

176.5031,

159.5236, 211.2147

216.3060,
197.5012, 258.1111

■ 23.2830, 18.0359,
29.0422

■ 23.2830, 18.0359,
29.0422

■ 21.7164, 15.2691,
27.3898

■ 25.1423, 21.3777,
30.8229

■ 20.4244, 13.0420,
25.8589

■ 27.3080, 25.3226,
32.7361

■ 19.3893, 11.3189,
24.4436

■ 29.7947, 29.8995,
34.7871

■ 18.5905, 10.0589,
23.1366

■ 32.6156, 35.1350,
36.9806

■ 18.0044, 9.2147,
21.9300

■ 35.7834, 41.0539,
39.3210

■ 17.5957, 8.7159,
20.8117

■ 39.3098, 47.6798,
41.8123

■ 17.4695, 8.5716,
20.4363

■ 43.2061, 55.0354,
44.4587

■ 47.4832, 63.1420,
47.2640

■ 52.1513, 72.0204,
50.2317

Harmonies

Analogous

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



20.7181, 18.0359, 38.8132



23.2830, 18.0359, 29.0422



24.1429, 18.0359, 18.8447

Triad

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



23.2830, 18.0359, 29.0422



16.8633, 18.0359, 6.6704



12.4146, 18.0359, 30.8882

Complementary

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



23.2830, 18.0359, 29.0422



19.8493, 27.5560, 19.0256

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.



11.6460, 18.0359, 20.4533



23.2830, 18.0359, 29.0422



14.0041, 18.0359, 8.1217

Square

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



23.2830, 18.0359, 29.0422



20.1711, 18.0359, 7.6834



12.1895, 18.0359, 12.5208



14.4335, 18.0359, 40.0937

Rectangle

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



23.2830, 18.0359, 29.0422



23.5558, 18.0359, 13.5563



12.1895, 18.0359, 12.5208



12.0138, 18.0359, 27.3111

Sweetspot

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



23.2836, 18.0367, 29.0426



51.9265, 50.2680, 61.4069



16.8256, 14.6047, 33.3852



11.3035, 10.8356, 13.4109



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.2836, 18.0367, 29.0426



39.8813, 28.5002, 50.2314



21.3867, 17.2780, 19.0536



6.8492, 6.7326, 8.0572



14.4014, 7.0651, 16.8968



0.2704, 0.1315, 0.3702

Inverse Universe

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



23.2836, 18.0367, 29.0426



39.8813, 28.5002, 50.2314



21.6186, 28.2637, 28.3425



6.8492, 6.7326, 8.0572



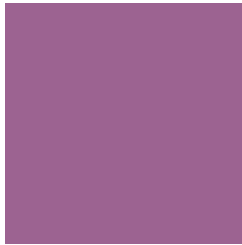
14.4014, 7.0651, 16.8968



0.2704, 0.1315, 0.3702

Previews

White Background



This preview shows how the XYZ color 23.2830, 18.0359, 29.0422 looks on a white background.

Color Contrast Check

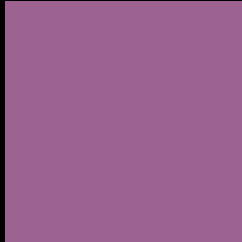
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2830, 18.0359, 29.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

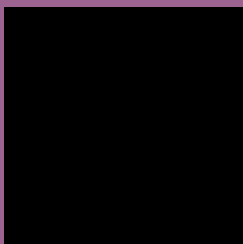
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2830, 18.0359, 29.0422

Background



This preview shows how black text looks on a background with the XYZ color 23.2830, 18.0359, 29.0422.



This preview shows how white text looks on a background with the XYZ color 23.2830, 18.0359,

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

23.2830, 18.0359, 29.0422

Protanopia

18.5962, 18.3170, 34.9032

Deuteranopia

18.5991, 18.2953, 28.1423



Tritanopia

20.9811, 17.9708, 17.9857

Trichromacy



Original Color

23.2830, 18.0359, 29.0422

Protanomaly

19.7831, 17.8117, 32.5323

Deuteranomaly

20.0496, 18.0406, 28.4121

Tritanomaly

21.6888, 17.9535, 21.7243

Monochromacy



Original Color

23.2830, 18.0359, 29.0422

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.7659, 18.4903, 23.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2830, 18.0359, 29.0422 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(156, 99, 145)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 145)  
}
```

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(156, 99, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.2830, 18.0359, 29.0422 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(156, 99, 145) }
```


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

```
.border{ border-color:rgb(156, 99, 145) }
```

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

Here you see how a box with a 4 pixel rgb(156, 99, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 145);  
box-shadow:4px 4px 4px 4px rgb(156, 99,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2830, 18.0359, 29.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 145) }
```

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

```
.background{ background-color: rgb(156, 99,  
145) }
```

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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