

Converting Colors

XYZ(29.2825, 22.4580, 39.5609)

Have a look what the booklet for
XYZ(29.2825, 22.4580, 39.5609)
contains.

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Color

**XYZ(29.2383, 22.3852,
39.3390)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6DA7
RGB	171, 109, 167
RGB Percent	67%, 43%, 65%
CMY	0.3294, 0.5725, 0.3451
CMYK	0.00, 0.36, 0.02, 0.33
HSL	304°, 27%, 55%
HSV	304°, 36%, 67%
XYZ	29.2383, 22.3852, 39.3390
YIQ	134.1500, 18.3340, 31.1820

Conversions

Conversions Part 2

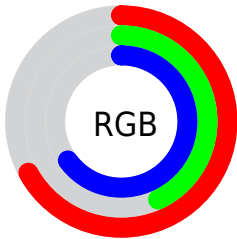
Format	Color
R _Y B	171, 109, 167
Decimal	11234727
CIE Lab	54.43, 33.93, -21.01
CIE LCh	54, 39.912, 328.238
Yxy	22.3852, 0.3214, 0.2461
Android (android.graphics.Color)	4289424807 (0xFFAB6DA7)
YUV	134.1500, 16.1950, 32.3174
Hunter-Lab	47.3130, 27.5110, -16.1783

Details

The XYZ color **29.2383, 22.3852, 39.3390** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.8512, 33.5701, 20.8466**, and the grayscale version is **22.6533, 23.8331, 25.9542**.

A 20% lighter version of the original color is **57.7837, 47.4455, 75.2196**, and **11.9946, 8.1476, 17.1601** is the 20% darker color. If you saturate the color by 10%, you get **27.4872, 19.0451, 38.2544**, and if you desaturate by 10%, it is **31.3466, 26.4374, 40.5475**.

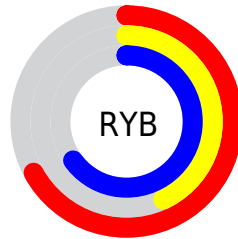
Distribution



Red (67%)

Green (43%)

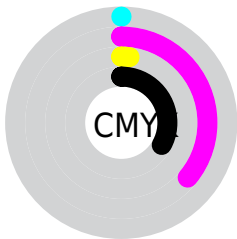
Blue (65%)



Red (67%)

Yellow (43%)

Blue (65%)

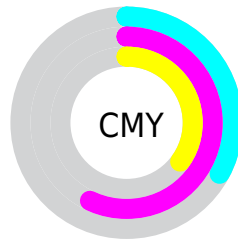


Cyan (0%)

Magenta (36%)

Yellow (2%)

Black (33%)



Cyan (33%)

Magenta (57%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2383, 22.3852, 39.3390 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 29.2383, 22.3852, 39.3390 by changing the saturation by 10% instead.

■ 29.2383, 22.3852,
39.3390

■ 29.2383, 22.3852,
39.3390

290.3116,
264.5513, 358.7985

■ 19.4064, 14.1402,
26.7137

■ 57.8504, 47.3818,
75.3819

■ 12.0700, 8.2183,
17.1278

■ 77.3613, 64.9023,
99.6367

■ 6.8639, 4.2349,
10.1627

■ 100.8292, 86.2833,
128.6049

■ 3.4227, 1.8058,
5.4000

■ 128.6195,
111.9093, 162.7053

■ 1.3810, 0.4908,
2.4210

161.0976,
142.1648, 202.3563

■ 0.2427, 0.0000,
0.7978

198.6287,

■ 0.0000, 0.0000,

177.4340, 247.9765

0.0000

241.5783,
218.1014, 299.9844

■ 29.2383, 22.3852,
39.3390

■ 29.2383, 22.3852,
39.3390

■ 27.4872, 19.0451,
38.2544

■ 31.3466, 26.4374,
40.5475

■ 26.0704, 16.3727,
37.2852

■ 33.8289, 31.2367,
41.8847

■ 24.9659, 14.3235,
36.4244

■ 36.7036, 36.8193,
43.3570

■ 24.1481, 12.8462,
35.6635

■ 39.9872, 43.2184,
44.9699

■ 23.5871, 11.8813,
34.9924

■ 43.6953, 50.4650,
46.7287

■ 23.2428, 11.3485,
34.3978

■ 47.8427, 58.5888,
48.6383

■ 23.1371, 11.1950,
34.1840

■ 52.4434, 67.6177,
50.7033

■ 57.5107, 77.5787,
52.9282

■ 60.4838, 83.3497,
54.4595

Harmonies

Analogous

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



25.4987, 22.3852, 52.2679



29.2383, 22.3852, 39.3390



30.8142, 22.3852, 25.1203

Triad

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



29.2383, 22.3852, 39.3390



21.5356, 22.3852, 7.3798



14.7069, 22.3852, 37.6037

Complementary

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



29.2383, 22.3852, 39.3390



23.8512, 33.5701, 20.8466

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.



13.9429, 22.3852, 23.6420



29.2383, 22.3852, 39.3390



17.5481, 22.3852, 8.7402

Square

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



29.2383, 22.3852, 39.3390



26.0064, 22.3852, 9.1186



14.9096, 22.3852, 13.7856



17.1579, 22.3852, 51.0485

Rectangle

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



29.2383, 22.3852, 39.3390



30.2828, 22.3852, 17.5997



14.9096, 22.3852, 13.7856



14.2603, 22.3852, 32.6949

Sweetspot

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



29.2390, 22.3862, 39.3395



63.1008, 60.8234, 76.3158



19.5151, 17.3300, 40.8452



13.9227, 13.2746, 16.9422



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.2390, 22.3862, 39.3395



49.6523, 34.9151, 68.7843



26.7723, 21.3995, 26.3498



8.3144, 8.1390, 9.9666



17.4492, 8.4422, 25.8086



0.4920, 0.2375, 0.7524

Inverse Universe

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



29.2390, 22.3862, 39.3395



49.6523, 34.9151, 68.7843



25.8360, 34.3640, 31.2985



8.3144, 8.1390, 9.9666



17.4492, 8.4422, 25.8086



0.4920, 0.2375, 0.7524

Previews

White Background



This preview shows how the XYZ color 29.2383, 22.3852, 39.3390 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 29.2383, 22.3852, 39.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

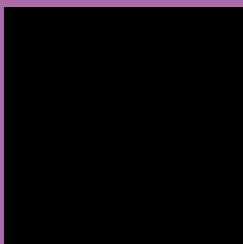
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2383, 22.3852, 39.3390

Background



This preview shows how black text looks on a background with the XYZ color 29.2383, 22.3852, 39.3390.



This preview shows how white text looks on a background with the XYZ color 29.2383, 22.3852,

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

29.2383, 22.3852, 39.3390

Protanopia

23.3640, 22.7228, 47.4105

Deuteranopia

22.9342, 22.5183, 37.7880



Tritanopia

25.8531, 22.3359, 22.6873

Trichromacy



Original Color

29.2383, 22.3852, 39.3390

Protanomaly

24.8870, 22.2443, 44.5769

Deuteranomaly

24.6935, 22.1059, 38.0873

Tritanomaly

26.9735, 22.2825, 28.0786

Monochromacy



Original Color

29.2383, 22.3852, 39.3390

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5545, 22.9456, 30.3289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2383, 22.3852, 39.3390 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(171, 109, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 109, 167)  
}
```

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(171, 109, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 109, 167) }
```

Border

The CSS property to change the border of an element to XYZ 29.2383, 22.3852, 39.3390 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(171, 109, 167) }
```


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

```
.border{ border-color:rgb(171, 109, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 109, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 109, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 109, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 109,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2383, 22.3852, 39.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 109, 167) }
```

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

```
.background{ background-color: rgb(171,  
109, 167) }
```

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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