

Converting Colors

XYZ(29.7103, 22.1713, 69.4032)

Have a look what the booklet for
XYZ(29.7103, 22.1713, 69.4032)
contains.

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Color

**XYZ(29.6898, 22.1060,
69.7199)**

Conversions

Conversions Part 1

Format	Color
Hex	8F6EDB
RGB	143, 110, 219
RGB Percent	56%, 43%, 86%
CMY	0.4392, 0.5686, 0.1412
CMYK	0.35, 0.50, 0.00, 0.14
HSL	258°, 60%, 65%
HSV	258°, 50%, 86%
XYZ	29.6898, 22.1060, 69.7199
YIQ	132.2930, -15.3210, 40.8950

Conversions

Conversions Part 2

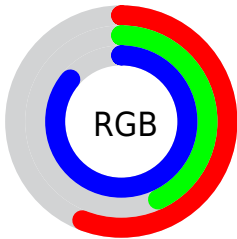
Format	Color
RYB	143, 110, 219
Decimal	9400027
CIELab	54.14, 36.93, -51.45
CIELCh	54, 63.335, 305.669
Yxy	22.1060, 0.2443, 0.1819
Android (android.graphics.Color)	4287590107 (0xFF8F6EDB)
YUV	132.2930, 42.7466, 9.3900
Hunter-Lab	47.0170, 30.4375, -55.0072

Details

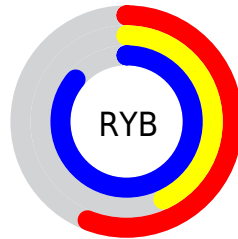
The XYZ color **29.6898, 22.1060, 69.7199** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.3959, 62.2283, 24.2131**, and the grayscale version is **21.8931, 23.0332, 25.0832**.

A 20% lighter version of the original color is **54.7897, 45.3400, 100.4715**, and **12.3041, 8.0565, 35.5569** is the 20% darker color. If you saturate the color by 10%, you get **25.1465, 16.6793, 68.9123**, and if you desaturate by 10%, it is **35.1786, 28.8874, 70.7400**.

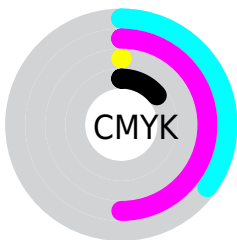
Distribution



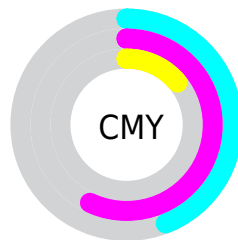
- Red (56%)
- Green (43%)
- Blue (86%)



- Red (56%)
- Yellow (43%)
- Blue (86%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)
- Black (14%)



- Cyan (44%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6898, 22.1060, 69.7199 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 29.6898, 22.1060, 69.7199 by changing the saturation by 10% instead.

■ 29.6898, 22.1060,
69.7199

■ 29.6898, 22.1060,
69.7199

292.3917,
263.0993, 478.3284

■ 19.7502, 13.9348,
50.8228

■ 58.5613, 46.9211,
120.4866

■ 12.3208, 8.0753,
35.6919

■ 78.2238, 64.3339,
153.1933

■ 7.0363, 4.1432,
23.9085

■ 101.8580, 85.5959,
191.3403

■ 3.5313, 1.7540,
15.0542

■ 129.8293,
111.0916, 235.3461

■ 1.4406, 0.4582,
8.7104

162.5029,
141.2054, 285.6293

■ 0.2849, 0.0000,
4.4585

200.2443,

■ 0.0000, 0.0000,

176.3217, 342.6084

1.8801

243.4188,
216.8249, 406.7019

■ 0.0000, 0.0000,
0.4800

■ 0.0000, 0.0000,
0.0000

■ 29.6898, 22.1060,
69.7199

■ 29.6898, 22.1060,
69.7199

■ 25.1465, 16.6793,
68.9123

■ 35.1786, 28.8874,
70.7400

■ 21.4876, 12.5099,
68.3004

■ 41.6630, 37.1067,
71.9847

■ 18.6488, 9.4906,
67.8672

■ 49.1929, 46.8434,
73.4672

■ 16.5541, 7.4943,
67.5923

■ 57.8137, 58.1701,
75.1991

■ 15.0829, 6.3066,
67.4406

■ 67.5682, 71.1548,
77.1913

■ 15.0537, 6.2834,
67.4377

■ 78.4966, 85.8614,
79.4540

■ 87.9311, 96.9381,
81.0947

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



22.3426, 22.1060, 84.7240



29.6898, 22.1060, 69.7199



35.4862, 22.1060, 43.2555

Triad

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



29.6898, 22.1060, 69.7199



26.9349, 22.1060, 3.4391



10.4196, 22.1060, 28.0018

Complementary

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



29.6898, 22.1060, 69.7199



48.3959, 62.2283, 24.2131

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.



11.1295, 22.1060, 11.6085



29.6898, 22.1060, 69.7199



19.7336, 22.1060, 2.6424

Square

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



29.6898, 22.1060, 69.7199



33.6683, 22.1060, 8.0667



14.2135, 22.1060, 4.5643



12.0055, 22.1060, 53.5413

Rectangle

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



29.6898, 22.1060, 69.7199



37.1206, 22.1060, 27.0404



14.2135, 22.1060, 4.5643



10.4028, 22.1060, 21.3249

Sweetspot

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



29.6907, 22.1068, 69.7204



74.8984, 73.2651, 104.8017



36.8394, 43.6745, 73.5066



15.4877, 14.9690, 22.3230



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6907, 22.1068, 69.7204



35.0726, 23.0488, 97.2081



41.4411, 28.1643, 70.2703



12.7075, 12.8073, 16.4544



9.0236, 3.7760, 39.9916



0.6707, 0.2890, 2.5949

Inverse Universe

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



43.6527, 29.7577, 49.8973



57.4600, 35.3502, 63.9069



37.6311, 56.6788, 23.7093



13.4377, 13.2042, 15.5663



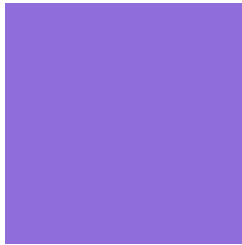
20.7673, 10.3079, 18.9523



1.3830, 0.6828, 1.4256

Previews

White Background



This preview shows how the XYZ color 29.6898, 22.1060, 69.7199 looks on a white background.

Color Contrast Check

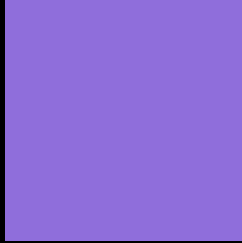
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6898, 22.1060, 69.7199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

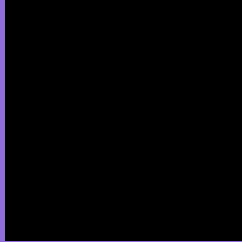
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6898, 22.1060, 69.7199

Background



This preview shows how black text looks on a background with the XYZ color 29.6898, 22.1060, 69.7199.



This preview shows how white text looks on a background with the XYZ color 29.6898, 22.1060,

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

29.6898, 22.1060, 69.7199

Protanopia

25.2926, 22.3987, 80.8322

Deuteranopia

22.9960, 22.2880, 67.3800



Tritanopia

21.1146, 22.0002, 27.5597

Trichromacy



Original Color

29.6898, 22.1060, 69.7199

Protanomaly

26.1149, 21.7994, 76.9600

Deuteranomaly

24.5146, 21.7205, 67.8662

Tritanomaly

23.5431, 21.6518, 39.9841

Monochromacy



Original Color

29.6898, 22.1060, 69.7199

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.0618, 22.3299, 38.1639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6898, 22.1060, 69.7199 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(143, 110, 219)` looks like.

```
.text, #text, p{  
    color:rgb(143, 110, 219)  
}
```

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(143, 110, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 110, 219) }
```

Border

The CSS property to change the border of an element to XYZ 29.6898, 22.1060, 69.7199 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(143, 110, 219) }
```


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

```
.border{ border-color:rgb(143, 110, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 110, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 110, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 110, 219);  
box-shadow:4px 4px 4px 4px rgb(143, 110,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6898, 22.1060, 69.7199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 110, 219) }
```

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

```
.background{ background-color: rgb(143,  
110, 219) }
```

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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