

Converting Colors

XYZ(29.2667, 22.2274, 69.0811)

Have a look what the booklet for
XYZ(29.2667, 22.2274, 69.0811)
contains.

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Color

**XYZ(29.2643, 22.2257,
69.0773)**

Conversions

Conversions Part 1

Format	Color
Hex	8C70DA
RGB	140, 112, 218
RGB Percent	55%, 44%, 85%
CMY	0.4510, 0.5608, 0.1451
CMYK	0.36, 0.49, 0.00, 0.15
HSL	256°, 59%, 65%
HSV	256°, 49%, 85%
XYZ	29.2643, 22.2257, 69.0773
YIQ	132.4560, -17.3380, 38.9020

Conversions

Conversions Part 2

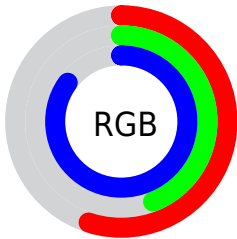
Format	Color
RYB	140, 112, 218
Decimal	9203930
CIELab	54.27, 34.76, -50.70
CIElCh	54, 61.474, 304.430
Yxy	22.2257, 0.2427, 0.1843
Android (android.graphics.Color)	4287394010 (0xFF8C70DA)
YUV	132.4560, 42.1732, 6.6161
Hunter-Lab	47.1441, 28.3000, -53.8730

Details

The XYZ color **29.2643, 22.2257, 69.0773** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.2312, 62.2600, 24.7524**, and the grayscale version is **21.9543, 23.0976, 25.1533**.

A 20% lighter version of the original color is **54.3514, 45.6412, 100.5528**, and **12.0454, 8.0949, 35.1100** is the 20% darker color. If you saturate the color by 10%, you get **24.6350, 16.6907, 68.2534**, and if you desaturate by 10%, it is **34.8717, 29.1299, 70.1148**.

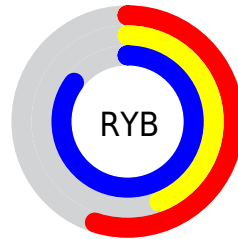
Distribution



Red (55%)

Green (44%)

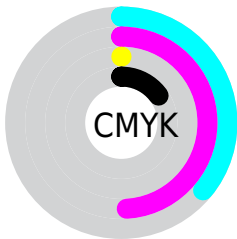
Blue (85%)



Red (55%)

Yellow (44%)

Blue (85%)

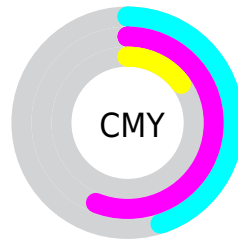


Cyan (36%)

Magenta (49%)

Yellow (0%)

Black (15%)



Cyan (45%)

Magenta (56%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2643, 22.2257, 69.0773 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 29.2643, 22.2257, 69.0773 by changing the saturation by 10% instead.

■ 29.2643, 22.2257,
69.0773

■ 29.2643, 22.2257,
69.0773

290.4317,
263.7227, 476.0049

■ 19.4261, 14.0228,
50.3025

■ 57.8914, 47.1187,
119.5607

■ 12.0844, 8.1365,
35.2810

■ 77.4110, 64.5777,
152.1064

■ 6.8738, 4.1824,
23.5941

■ 100.8886, 85.8908,
190.0795

■ 3.4289, 1.7761,
14.8234

■ 128.6893,
111.4425, 233.8986

■ 1.3844, 0.4722,
8.5503

161.1787,
141.6172, 283.9821

■ 0.2451, 0.0000,
4.3563

198.7219,

■ 0.0000, 0.0000,

176.7991, 340.7486

1.8227

241.6845,
217.3728, 404.6167

■ 0.0000, 0.0000,
0.4429

■ 0.0000, 0.0000,
0.0000

■ 29.2643, 22.2257,
69.0773

■ 29.2643, 22.2257,
69.0773

■ 24.6350, 16.6907,
68.2534

■ 34.8717, 29.1299,
70.1148

■ 20.9213, 12.4282,
67.6263

■ 41.5089, 37.4859,
71.3779

■ 18.0573, 9.3325,
67.1798

■ 49.2270, 47.3728,
72.8795

■ 15.9661, 7.2787,
66.8936

■ 58.0729, 58.8630,
74.6311

■ 14.5389, 6.0815,
66.7377

■ 68.0906, 72.0243,
76.6435

■ 14.3761, 5.9493,
66.7208

■ 79.3217, 86.9206,
78.9268

■ 88.6655, 97.3319,
80.4439

■ 89.6550, 97.8420,
80.4902

Harmonies

Analogous

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



22.1341, 22.2257, 82.6445



29.2643, 22.2257, 69.0773



34.9824, 22.2257, 43.8368

Triad

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



29.2643, 22.2257, 69.0773



27.1773, 22.2257, 3.8589



10.7203, 22.2257, 27.1586

Complementary

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



29.2643, 22.2257, 69.0773



49.2312, 62.2600, 24.7524

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.



11.5163, 22.2257, 11.5279



29.2643, 22.2257, 69.0773



20.1468, 22.2257, 2.9190

Square

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



29.2643, 22.2257, 69.0773



33.6100, 22.2257, 8.7754



14.6547, 22.2257, 4.7576



12.1922, 22.2257, 51.5763

Rectangle

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



29.2643, 22.2257, 69.0773



36.6878, 22.2257, 27.9546



14.6547, 22.2257, 4.7576



10.7345, 22.2257, 20.7976

Sweetspot

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



29.2652, 22.2265, 69.0778



74.4312, 73.0242, 104.7799



38.0775, 45.9873, 73.1997



15.3762, 14.9115, 22.3177



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.



29.2652, 22.2265, 69.0778



35.2026, 23.8829, 97.3622



40.0614, 27.7922, 69.5831



12.6597, 12.7827, 16.4522



8.6997, 3.6090, 39.9765



0.6446, 0.2755, 2.5937

Inverse Universe

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



44.0021, 30.2119, 52.2268



58.8936, 36.7504, 68.9071



38.5607, 56.7592, 24.2530



13.4599, 13.2130, 15.6829



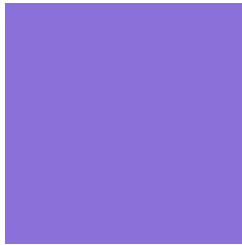
21.1917, 10.4777, 21.1872



1.4077, 0.6927, 1.5559

Previews

White Background



This preview shows how the XYZ color 29.2643, 22.2257, 69.0773 looks on a white background.

Color Contrast Check

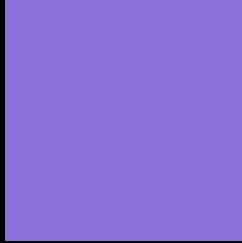
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2643, 22.2257, 69.0773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

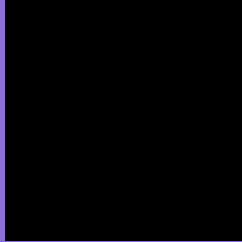
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2643, 22.2257, 69.0773

Background



This preview shows how black text looks on a background with the XYZ color 29.2643, 22.2257, 69.0773.



This preview shows how white text looks on a background with the XYZ color 29.2643, 22.2257,

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

29.2643, 22.2257, 69.0773

Protanopia

25.3346, 22.4534, 79.3426

Deuteranopia

23.0219, 22.3162, 66.7124



Tritanopia

20.9587, 22.0993, 28.3603

Trichromacy



Original Color

29.2643, 22.2257, 69.0773

Protanomaly

26.1820, 22.0456, 75.5483

Deuteranomaly

24.4943, 21.7249, 67.1923

Tritanomaly

23.2977, 21.6976, 40.4963

Monochromacy



Original Color

29.2643, 22.2257, 69.0773

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.9361, 22.4625, 37.7245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2643, 22.2257, 69.0773 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(140, 112, 218)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 218)  
}
```

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(140, 112, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 218) }
```

Border

The CSS property to change the border of an element to XYZ 29.2643, 22.2257, 69.0773 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(140, 112, 218) }
```


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

```
.border{ border-color:rgb(140, 112, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 112, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 218);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2643, 22.2257, 69.0773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 218) }
```

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

```
.background{ background-color: rgb(140,  
112, 218) }
```

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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