

Converting Colors

XYZ(29.1673, 22.1024, 55.1651)

Have a look what the booklet for
XYZ(29.1673, 22.1024, 55.1651)
contains.

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Color

**XYZ(29.2500, 22.2053,
54.9690)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6EC4
RGB	156, 110, 196
RGB Percent	61%, 43%, 77%
CMY	0.3882, 0.5686, 0.2314
CMYK	0.20, 0.44, 0.00, 0.23
HSL	272°, 42%, 60%
HSV	272°, 44%, 77%
XYZ	29.2500, 22.2053, 54.9690
YIQ	133.5580, -0.1900, 36.4980

Conversions

Conversions Part 2

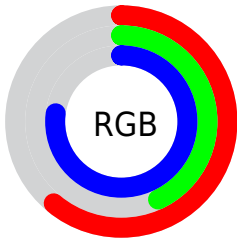
Format	Color
R _Y B	156, 110, 196
Decimal	10251972
CIE Lab	54.24, 34.80, -38.14
CIE LCh	54, 51.627, 312.374
Yxy	22.2053, 0.2748, 0.2086
Android (android.graphics.Color)	4288442052 (0xFF9C6EC4)
YUV	133.5580, 30.7839, 19.6816
Hunter-Lab	47.1225, 28.3346, -36.1768

Details

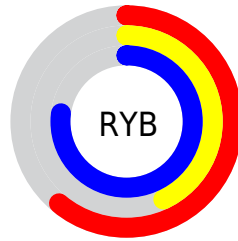
The XYZ color **29.2500, 22.2053, 54.9690** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.1328, 47.0902, 21.9904**, and the grayscale version is **22.3897, 23.5557, 25.6521**.

A 20% lighter version of the original color is **57.8013, 46.9296, 98.9404**, and **12.1447, 8.1740, 26.5288** is the 20% darker color. If you saturate the color by 10%, you get **25.6662, 17.5585, 54.2613**, and if you desaturate by 10%, it is **33.4355, 27.8575, 55.8398**.

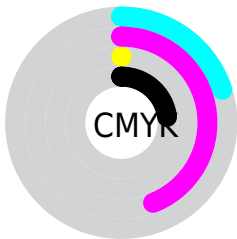
Distribution



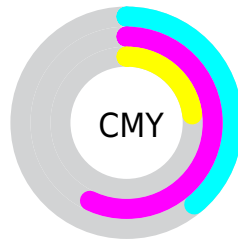
- Red (61%)
- Green (43%)
- Blue (77%)



- Red (61%)
- Yellow (43%)
- Blue (77%)



- Cyan (20%)
- Magenta (44%)
- Yellow (0%)
- Black (23%)



- Cyan (39%)
- Magenta (57%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2500, 22.2053, 54.9690 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 29.2500, 22.2053, 54.9690 by changing the saturation by 10% instead.

■ 29.2500, 22.2053,
54.9690

■ 29.2500, 22.2053,
54.9690

290.3657,
263.6165, 423.0730

■ 19.4153, 14.0078,
38.9785

■ 57.8689, 47.0851,
98.9662

■ 12.0765, 8.1261,
26.4353

■ 77.3837, 64.5362,
127.8100

■ 6.8684, 4.1758,
16.9209

■ 100.8559, 85.8406,
161.7753

■ 3.4255, 1.7724,
10.0167

■ 128.6509,
111.3828, 201.2806

■ 1.3826, 0.4699,
5.3043

161.1341,
141.5470, 246.7445

■ 0.2438, 0.0000,
2.3650

198.6706,

■ 0.0000, 0.0000,

176.7178, 298.5855

0.7673

241.6261,
217.2795, 357.2222

■ 0.0000, 0.0000,
0.0000

■ 29.2500, 22.2053,
54.9690

■ 29.2500, 22.2053,
54.9690

■ 25.6662, 17.5585,
54.2613

■ 33.4355, 27.8575,
55.8398

■ 22.6477, 13.8506,
53.7047

■ 38.2514, 34.5704,
56.8817

■ 20.1572, 11.0110,
53.2879

■ 43.7273, 42.3987,
58.1041

■ 18.1514, 8.9573,
52.9972

■ 49.8901, 51.3921,
59.5151

■ 16.5782, 7.5906,
52.8163

■ 56.7651, 61.5975,
61.1226

■ 15.7705, 6.9790,
52.7408

■ 64.3763, 73.0590,
62.9338

■ 72.7465, 85.8186,
64.9555

■ 78.0154, 92.1524,
65.9003

■ 81.0001, 93.6911,
66.0400

Harmonies

Analogous

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



23.5045, 22.2053, 68.7001



29.2500, 22.2053, 54.9690



33.1576, 22.2053, 34.8011

Triad

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



29.2500, 22.2053, 54.9690



24.5464, 22.2053, 5.0604



12.2188, 22.2053, 31.4272

Complementary

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



29.2500, 22.2053, 54.9690



35.1328, 47.0902, 21.9904

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.



12.3976, 22.2053, 15.9716



29.2500, 22.2053, 54.9690



18.8755, 22.2053, 4.8062

Square

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



29.2500, 22.2053, 54.9690



30.1283, 22.2053, 8.7526



14.6333, 22.2053, 7.7738



14.0921, 22.2053, 51.5769

Rectangle

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



29.2500, 22.2053, 54.9690



33.8346, 22.2053, 22.9197



14.6333, 22.2053, 7.7738



12.0518, 22.2053, 25.4811

Sweetspot

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



29.2508, 22.2062, 54.9695



79.9247, 77.8350, 105.4189



27.3226, 29.1567, 56.4127



16.6044, 15.9340, 22.4504



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.



29.2508, 22.2062, 54.9695



46.5220, 31.8416, 98.3018



37.9820, 26.7446, 53.6909



10.0312, 10.0073, 12.6877



10.2334, 4.5359, 33.8928



0.5211, 0.2367, 1.4681

Inverse Universe

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



33.8466, 25.0905, 31.9140



56.4556, 38.0637, 49.0134



29.1442, 43.9847, 22.5382



10.2638, 10.1541, 11.4794



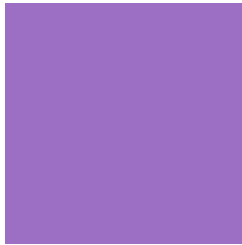
15.8880, 8.0449, 7.3221



0.7213, 0.3615, 0.4995

Previews

White Background



This preview shows how the XYZ color 29.2500, 22.2053, 54.9690 looks on a white background.

Color Contrast Check

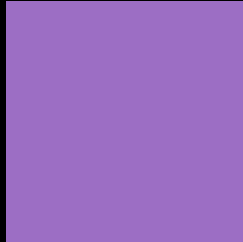
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2500, 22.2053, 54.9690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

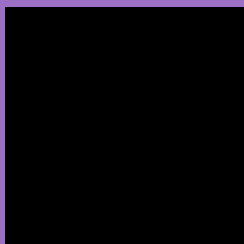
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2500, 22.2053, 54.9690

Background



This preview shows how black text looks on a background with the XYZ color 29.2500, 22.2053, 54.9690.



This preview shows how white text looks on a background with the XYZ color 29.2500, 22.2053,

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

29.2500, 22.2053, 54.9690

Protanopia

24.2770, 22.4233, 64.6766

Deuteranopia

22.9582, 22.3898, 52.9808



Tritanopia

23.3648, 22.2475, 25.6170

Trichromacy



Original Color

29.2500, 22.2053, 54.9690

Protanomaly

25.4492, 21.9825, 61.2943

Deuteranomaly

24.6112, 21.9069, 53.3834

Tritanomaly

25.2603, 22.1120, 34.8350

Monochromacy



Original Color

29.2500, 22.2053, 54.9690

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5747, 22.8523, 35.0140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2500, 22.2053, 54.9690 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, 110, 196)` looks like.

```
.text, #text, p{  
    color:rgb(156, 110, 196)  
}
```

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, 110, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 110, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.2500, 22.2053, 54.9690 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, 110, 196) }
```


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

```
.border{ border-color:rgb(156, 110, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 110, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 110, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 110, 196);  
box-shadow:4px 4px 4px 4px rgb(156, 110,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2500, 22.2053, 54.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 110, 196) }
```

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

```
.background{ background-color: rgb(156,  
110, 196) }
```

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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