

Converting Colors

XYZ(29.4994, 22.3600, 69.9862)

Have a look what the booklet for
XYZ(29.4994, 22.3600, 69.9862)
contains.

XYZ(29.3956, 22.2783, 69.7687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3956, 22.2783,
69.7687)**

Conversions

Conversions Part 1

Format	Color
Hex	8C70DB
RGB	140, 112, 219
RGB Percent	55%, 44%, 86%
CMY	0.4510, 0.5608, 0.1412
CMYK	0.36, 0.49, 0.00, 0.14
HSL	256°, 60%, 65%
HSV	256°, 49%, 86%
XYZ	29.3956, 22.2783, 69.7687
YIQ	132.5700, -17.6590, 39.2130

Conversions

Conversions Part 2

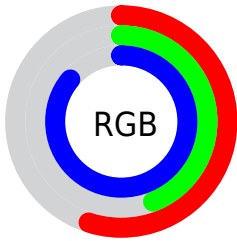
Format	Color
RYB	140, 112, 219
Decimal	9203931
CIELab	54.32, 35.02, -51.18
CIELCh	54, 62.016, 304.384
Yxy	22.2783, 0.2421, 0.1834
Android (android.graphics.Color)	4287394011 (0xFF8C70DB)
YUV	132.5700, 42.6100, 6.5161
Hunter-Lab	47.1999, 28.5681, -54.5998

Details

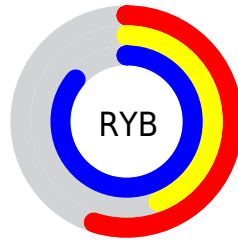
The XYZ color **29.3956, 22.2783, 69.7687** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.7422, 62.9096, 24.8510**, and the grayscale version is **21.9941, 23.1395, 25.1989**.

A 20% lighter version of the original color is **54.3514, 45.6412, 100.5528**, and **12.1347, 8.1307, 35.5801** is the 20% darker color. If you saturate the color by 10%, you get **24.7394, 16.7169, 68.9411**, and if you desaturate by 10%, it is **35.0416, 29.2229, 70.8120**.

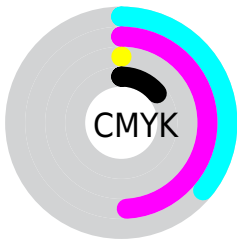
Distribution



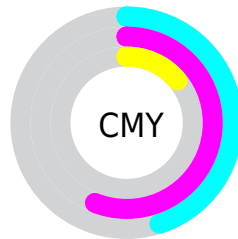
- Red (55%)
- Green (44%)
- Blue (86%)



- Red (55%)
- Yellow (44%)
- Blue (86%)



- Cyan (36%)
- Magenta (49%)
- Yellow (0%)
- Black (14%)



- Cyan (45%)
- Magenta (56%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3956, 22.2783, 69.7687 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 29.3956, 22.2783, 69.7687 by changing the saturation by 10% instead.

■ 29.3956, 22.2783,
69.7687

■ 29.3956, 22.2783,
69.7687

291.0376,
263.9962, 478.5046

■ 19.5261, 14.0615,
50.8624

■ 58.0982, 47.2055,
120.5569

■ 12.1573, 8.1635,
35.7231

■ 77.6621, 64.6848,
153.2758

■ 6.9238, 4.1997,
23.9324

■ 101.1881, 86.0203,
191.4359

■ 3.4604, 1.7859,
15.0718

■ 129.0415,
111.5966, 235.4559

■ 1.4017, 0.4784,
8.7226

161.5879,
141.7979, 285.7542

■ 0.2574, 0.0000,
4.4663

199.1924,

■ 0.0000, 0.0000,

177.0087, 342.7494

1.8845

242.2206,
217.6133, 406.8600

■ 0.0000, 0.0000,
0.4829

■ 0.0000, 0.0000,
0.0000

■ 29.3956, 22.2783,
69.7687

■ 29.3956, 22.2783,
69.7687

■ 24.7394, 16.7169,
68.9411

■ 35.0416, 29.2229,
70.8120

■ 21.0094, 12.4405,
68.3122

■ 41.7299, 37.6345,
72.0831

■ 18.1386, 9.3417,
67.8654

■ 49.5125, 47.5933,
73.5951

■ 16.0486, 7.2936,
67.5803

■ 58.4370, 59.1727,
75.3598

■ 14.6265, 6.1035,
67.4255

■ 68.5481, 72.4415,
77.3880

■ 14.4915, 5.9936,
67.4114

■ 79.8882, 87.4644,
79.6901

■ 89.1219, 97.5520,
81.1505

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



22.1839, 22.2783, 83.5179



29.3956, 22.2783, 69.7687



35.1898, 22.2783, 44.1716

Triad

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



29.3956, 22.2783, 69.7687



27.3058, 22.2783, 3.7936



10.6796, 22.2783, 27.2152

Complementary

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



29.3956, 22.2783, 69.7687



49.7422, 62.9096, 24.8510

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.



11.4843, 22.2783, 11.4608



29.3956, 22.2783, 69.7687



20.1968, 22.2783, 2.8537

Square

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



29.3956, 22.2783, 69.7687



33.8142, 22.2783, 8.7237



14.6503, 22.2783, 4.6809



12.1578, 22.2783, 51.9354

Rectangle

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



29.3956, 22.2783, 69.7687



36.9223, 22.2783, 28.0855



14.6503, 22.2783, 4.6809



10.6950, 22.2783, 20.7938

Sweetspot

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



29.3965, 22.2791, 69.7692



74.4013, 73.0088, 104.7785



38.3735, 46.3690, 73.9459



15.3691, 14.9079, 22.3174



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.



29.3965, 22.2791, 69.7692



34.5439, 23.1540, 97.2563



40.3826, 27.9426, 70.2834



12.6566, 12.7811, 16.4521



8.6805, 3.5992, 39.9756



0.6430, 0.2747, 2.5936

Inverse Universe

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



44.4120, 30.4106, 52.8190



58.5924, 36.2103, 68.6147



38.8625, 57.3009, 24.3418



13.4613, 13.2136, 15.6904



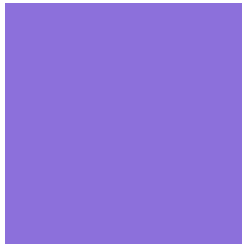
21.2199, 10.4890, 21.3357



1.4093, 0.6934, 1.5645

Previews

White Background



This preview shows how the XYZ color 29.3956, 22.2783, 69.7687 looks on a white background.

Color Contrast Check

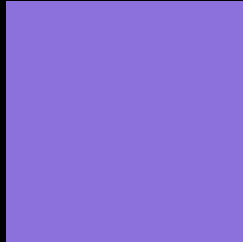
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3956, 22.2783, 69.7687 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 29.3956, 22.2783, 69.7687

Background



This preview shows how black text looks on a background with the XYZ color 29.3956, 22.2783, 69.7687.



This preview shows how white text looks on a background with the XYZ color 29.3956, 22.2783,

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

29.3956, 22.2783, 69.7687

Protanopia

25.3933, 22.4672, 80.0890

Deuteranopia

23.2061, 22.5947, 67.4281



Tritanopia

21.0924, 22.3666, 28.4048

Trichromacy



Original Color

29.3956, 22.2783, 69.7687

Protanomaly

26.2078, 22.0429, 76.2722

Deuteranomaly

24.6393, 21.9698, 67.9077

Tritanomaly

23.4223, 21.9470, 40.5378

Monochromacy



Original Color

29.3956, 22.2783, 69.7687

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.1878, 22.5818, 38.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3956, 22.2783, 69.7687 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 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(140, 112, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 219) }
```

Border

The CSS property to change the border of an element to XYZ 29.3956, 22.2783, 69.7687 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, 219) }
```


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

```
.border{ border-color:rgb(140, 112, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 219);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3956, 22.2783, 69.7687 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, 219) }
```

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

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