

Converting Colors

XYZ(30.8951, 22.2031, 78.4504)

Have a look what the booklet for
XYZ(30.8951, 22.2031, 78.4504)
contains.

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Color

**XYZ(30.9417, 22.2454,
78.2643)**

Conversions

Conversions Part 1

Format	Color
Hex	8E6CE7
RGB	142, 108, 231
RGB Percent	56%, 42%, 91%
CMY	0.4431, 0.5765, 0.0941
CMYK	0.39, 0.53, 0.00, 0.09
HSL	257°, 72%, 66%
HSV	257°, 53%, 91%
XYZ	30.9417, 22.2454, 78.2643
YIQ	132.1880, -19.2190, 45.4610

Conversions

Conversions Part 2

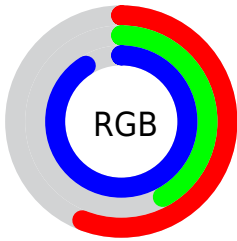
Format	Color
RYB	142, 108, 231
Decimal	9333991
CIELab	54.29, 41.00, -57.97
CIELCh	54, 71.005, 305.269
Yxy	22.2454, 0.2354, 0.1692
Android (android.graphics.Color)	4287524071 (0xFF8E6CE7)
YUV	132.1880, 48.7143, 8.6051
Hunter-Lab	47.1650, 34.5627, -65.3686

Details

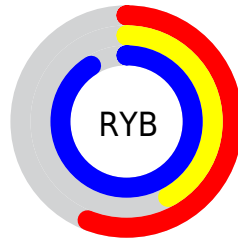
The XYZ color **30.9417, 22.2454, 78.2643** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.3085, 70.1050, 24.8571**, and the grayscale version is **21.8355, 22.9726, 25.0172**.

A 20% lighter version of the original color is **54.4402, 44.6410, 100.3550**, and **13.0481, 8.1544, 41.4437** is the 20% darker color. If you saturate the color by 10%, you get **26.1645, 16.6329, 77.4332**, and if you desaturate by 10%, it is **36.7961, 29.3717, 79.3317**.

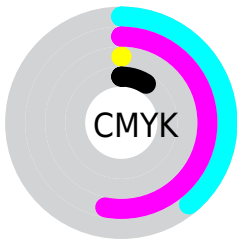
Distribution



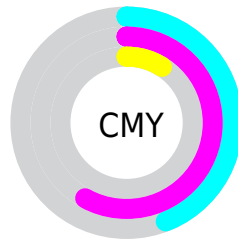
- Red (56%)
- Green (42%)
- Blue (91%)



- Red (56%)
- Yellow (42%)
- Blue (91%)



- Cyan (39%)
- Magenta (53%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9417, 22.2454, 78.2643 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 30.9417, 22.2454, 78.2643 by changing the saturation by 10% instead.

■ 30.9417, 22.2454,
78.2643

■ 30.9417, 22.2454,
78.2643

298.1013,
263.8251, 508.6156

■ 20.7061, 14.0373,
57.7734

■ 60.5247, 47.1513,
132.7119

■ 13.0206, 8.1466,
41.2130

■ 80.6029, 64.6178,
167.5056

■ 7.5198, 4.1889,
28.1646

■ 104.6925, 85.9394,
207.9041

■ 3.8384, 1.7798,
18.2097

■ 133.1591,
111.5002, 254.3258

■ 1.6111, 0.4745,
10.9296

166.3679,
141.6849, 307.1892

■ 0.3997, 0.0000,
5.9059

204.6843,

■ 0.0000, 0.0000,

176.8776, 366.9130

2.7201

248.4736,
217.4629, 433.9156

■ 0.0000, 0.0000,
0.9535

■ 0.0000, 0.0000,
0.0000

■ 30.9417, 22.2454,
78.2643

■ 30.9417, 22.2454,
78.2643

■ 26.1645, 16.6329,
77.4332

■ 36.7961, 29.3717,
79.3317

■ 22.3903, 12.4176,
76.8185

■ 43.7892, 38.1115,
80.6501

■ 19.5395, 9.4693,
76.3997

■ 51.9811, 48.5588,
82.2349

■ 17.5165, 7.6302,
76.1513

■ 61.4265, 60.7995,
84.0997

■ 16.5291, 6.8548,
76.0537

■ 72.1768, 74.9137,
86.2574

■ 84.2804, 90.9764,
88.7199

■ 91.4239, 98.5496,
89.8052

Harmonies

Analogous

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



22.5383, 22.2454, 96.1653



30.9417, 22.2454, 78.2643



37.7249, 22.2454, 46.7571

Triad

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



30.9417, 22.2454, 78.2643



27.9929, 22.2454, 2.4798



9.5261, 22.2454, 28.3452

Complementary

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



30.9417, 22.2454, 78.2643



54.3085, 70.1050, 24.8571

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.



10.3112, 22.2454, 10.4187



30.9417, 22.2454, 78.2643



19.8076, 22.2454, 1.7506

Square

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



30.9417, 22.2454, 78.2643



35.7521, 22.2454, 7.0168



13.6688, 22.2454, 3.4375



11.1803, 22.2454, 58.0608

Rectangle

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



30.9417, 22.2454, 78.2643



39.6894, 22.2454, 27.9058



13.6688, 22.2454, 3.4375



9.5190, 22.2454, 20.8766

Sweetspot

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



30.9427, 22.2462, 78.2648



73.3481, 71.4991, 104.5426



40.8485, 49.4379, 82.9913



15.1680, 14.6139, 22.2713



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.



30.9427, 22.2462, 78.2648



32.1626, 20.1509, 96.8021



44.2252, 29.0936, 78.8865



13.9549, 14.0790, 18.1263



9.3695, 3.8961, 42.6414



0.7802, 0.3332, 3.1552

Inverse Universe

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



48.3958, 31.7456, 56.3991



56.6683, 33.5271, 64.3818



41.5506, 63.5281, 24.2600



14.8162, 14.5437, 17.2326



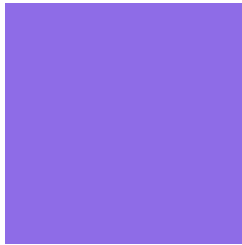
22.4478, 11.1133, 21.7848



1.6976, 0.8368, 1.8142

Previews

White Background



This preview shows how the XYZ color 30.9417, 22.2454, 78.2643 looks on a white background.

Color Contrast Check

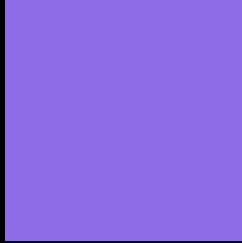
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9417, 22.2454, 78.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

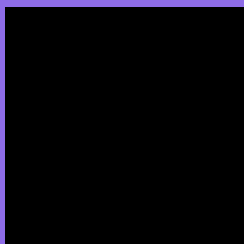
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9417, 22.2454, 78.2643

Background



This preview shows how black text looks on a background with the XYZ color 30.9417, 22.2454, 78.2643.



This preview shows how white text looks on a background with the XYZ color 30.9417, 22.2454,

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

30.9417, 22.2454, 78.2643

Protanopia

26.3634, 22.6911, 92.6128

Deuteranopia

23.2090, 22.4274, 75.0572



Tritanopia

20.9501, 22.2933, 28.3981

Trichromacy



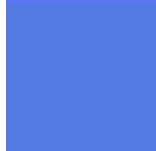
Original Color

30.9417, 22.2454, 78.2643



Protanomaly

26.7437, 21.7283, 86.7888



Deuteranomaly

24.7427, 21.6522, 76.2740



Tritanomaly

23.7762, 21.8890, 43.0163

Monochromacy



Original Color

30.9417, 22.2454, 78.2643



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

24.3042, 22.2273, 40.0551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9417, 22.2454, 78.2643 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(142, 108, 231)` looks like.

```
.text, #text, p{  
    color:rgb(142, 108, 231)  
}
```

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(142, 108, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 108, 231) }
```

Border

The CSS property to change the border of an element to XYZ 30.9417, 22.2454, 78.2643 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(142, 108, 231) }
```


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

```
.border{ border-color:rgb(142, 108, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 108, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 108, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 108, 231);  
box-shadow:4px 4px 4px 4px rgb(142, 108,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9417, 22.2454, 78.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 108, 231) }
```

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

```
.background{ background-color: rgb(142,  
108, 231) }
```

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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