

# Converting Colors

XYZ(28.9878, 22.8567, 64.5120)

Have a look what the booklet for  
XYZ(28.9878, 22.8567, 64.5120)  
contains.

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# Color

**XYZ(28.9878, 22.8567,  
64.5120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8D74D3
RGB	141, 116, 211
RGB Percent	55%, 45%, 83%
CMY	0.4470, 0.5451, 0.1725
CMYK	0.33, 0.45, 0.00, 0.17
HSL	256°, 52%, 64%
HSV	256°, 45%, 83%
XYZ	28.9878, 22.8567, 64.5120
YIQ	134.3050, -15.5950, 34.8450

# Conversions

## Conversions Part 2

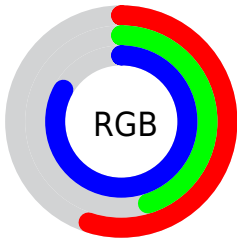
Format	Color
<b>RYB</b>	141, 116, 211
Decimal	9270483
CIELab	54.92, 30.85, -45.70
CIELCh	55, 55.136, 304.025
Yxy	22.8567, 0.2491, 0.1964
Android (android.graphics.Color)	4287460563 (0xFF8D74D3)
YUV	134.3050, 37.8106, 5.8715
Hunter-Lab	47.8087, 24.5646, -46.5386

# Details

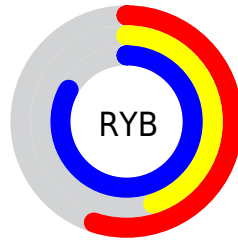
The XYZ color **28.9878, 22.8567, 64.5120** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.6967, 58.2890, 25.3135**, and the grayscale version is **22.6423, 23.8214, 25.9415**.

A 20% lighter version of the original color is **55.0786, 47.0956, 100.7951**, and **11.9384, 8.4408, 32.4525** is the 20% darker color. If you saturate the color by 10%, you get **24.3656, 17.2644, 63.6766**, and if you desaturate by 10%, it is **34.5353, 29.7466, 65.5499**.

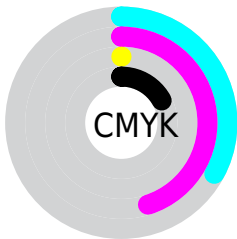
# Distribution



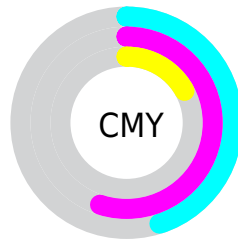
- Red (55%)
- Green (45%)
- Blue (83%)



- Red (55%)
- Yellow (45%)
- Blue (83%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (17%)



- Cyan (45%)
- Magenta (55%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9878, 22.8567, 64.5120 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 28.9878, 22.8567, 64.5120 by changing the saturation by 10% instead.



■ 28.9878, 22.8567,  
64.5120

■ 28.9878, 22.8567,  
64.5120

289.1526,  
266.9881, 459.2943

■ 19.2158, 14.4877,  
46.6167

■ 57.4554, 48.1579,  
112.9545

■ 11.9313, 8.4607,  
32.3805

■ 76.8817, 65.8590,  
144.3388

■ 6.7688, 4.3911,  
21.3851

■ 100.2569, 87.4395,  
181.0564

■ 3.3629, 1.8947,  
13.2118

127.9462,  
113.2839, 223.5260

■ 1.3485, 0.5452,  
7.4421

160.3151,  
143.7766, 272.1660

■ 0.2191, 0.0000,  
3.6575

197.7289,

■ 0.0000, 0.0000,

179.3019, 327.3951

1.4394

240.5530,  
220.2443, 389.6317

■ 0.0000, 0.0000,  
0.1722

■ 0.0000, 0.0000,  
0.0000

■ 28.9878, 22.8567,  
64.5120

■ 28.9878, 22.8567,  
64.5120

■ 24.3656, 17.2644,  
63.6766

■ 34.5353, 29.7466,  
65.5499

■ 20.6126, 12.8836,  
63.0288

■ 41.0541, 38.0078,  
66.8009

■ 17.6708, 9.6212,  
62.5542

■ 48.5904, 47.7112,  
68.2767

■ 15.4729, 7.3692,  
62.2354

■ 57.1865, 58.9220,  
69.9875

■ 13.9390, 5.9968,  
62.0513

■ 66.8824, 71.7017,  
71.9432

■ 13.3626, 5.5304,  
61.9917

■ 77.7156, 86.1079,  
74.1529

■ 86.8826, 96.5164,  
75.6788

■ 88.7580, 97.4832,  
75.7666

# Harmonies

## Analogous

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



22.5601, 22.8567, 75.8354



28.9878, 22.8567, 64.5120



34.0974, 22.8567, 42.7345

# Triad

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



28.9878, 22.8567, 64.5120



27.2902, 22.8567, 5.2334



11.9823, 22.8567, 27.3253

# Complementary

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



28.9878, 22.8567, 64.5120



46.6967, 58.2890, 25.3135

# 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.



12.7784, 22.8567, 12.8630



28.9878, 22.8567, 64.5120



20.9100, 22.8567, 4.1457

# Square

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



28.9878, 22.8567, 64.5120



32.9953, 22.8567, 10.4033



15.7889, 22.8567, 6.1142



13.3663, 22.8567, 48.8754



# Rectangle

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



28.9878, 22.8567, 64.5120



35.6374, 22.8567, 28.5585



15.7889, 22.8567, 6.1142



12.0057, 22.8567, 21.5446

# Sweetspot

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



28.9887, 22.8576, 64.5125



75.6758, 74.6476, 105.0276



36.7844, 44.0637, 68.1949



15.6218, 15.2314, 22.3665



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.



28.9887, 22.8576, 64.5125



37.6850, 26.8374, 97.8017



38.5587, 27.7911, 64.9604



11.4513, 11.5660, 14.8726



8.1471, 3.3803, 37.4156



0.5313, 0.2281, 2.0956



# Inverse Universe

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



41.9728, 29.8855, 50.0107



60.3911, 39.1545, 71.2280



37.2205, 53.4038, 24.8700



12.1724, 11.9537, 14.1838



19.8510, 9.8133, 19.9195

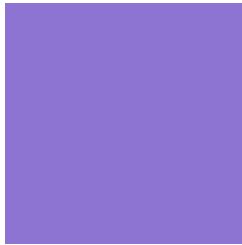


1.1416, 0.5614, 1.2807



# Previews

## White Background



This preview shows how the XYZ color 28.9878, 22.8567, 64.5120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

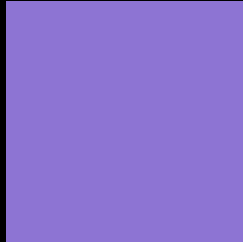
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 28.9878, 22.8567, 64.5120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

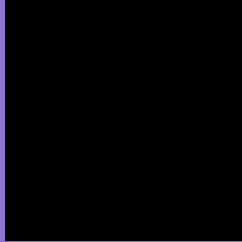
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.9878, 22.8567, 64.5120**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.9878, 22.8567, 64.5120.



This preview shows how white text looks on a background with the XYZ color 28.9878, 22.8567,



# 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

28.9878, 22.8567, 64.5120

### Protanopia

25.3176, 22.9876, 72.2099

### Deuteranopia

23.7563, 23.1804, 62.8967



## Tritanopia

21.8861, 22.9675, 28.8708

# Trichromacy



## Original Color

28.9878, 22.8567, 64.5120

## Protanomaly

26.2929, 22.7923, 69.3432

## Deuteranomaly

25.1538, 22.7133, 63.3800

## Tritanomaly

23.9516, 22.6173, 39.6624

# Monochromacy



## Original Color

28.9878, 22.8567, 64.5120

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

24.4275, 23.1057, 37.3548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.9878, 22.8567, 64.5120 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(141, 116, 211)` looks like.

```
.text, #text, p{  
    color:rgb(141, 116, 211)  
}
```

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(141, 116, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 116, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 28.9878, 22.8567, 64.5120 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(141, 116, 211) }
```



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

```
.border{ border-color:rgb(141, 116, 211) }
```

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

Here you see how a box with a 4 pixel rgb(141, 116, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 116, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 116, 211);  
box-shadow:4px 4px 4px 4px rgb(141, 116,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.9878, 22.8567, 64.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 116, 211) }
```

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

```
.background{ background-color: rgb(141,  
116, 211) }
```

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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