

# Converting Colors

XYZ(30.7988, 22.5129, 63.6312)

Have a look what the booklet for  
XYZ(30.7988, 22.5129, 63.6312)  
contains.

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# Color

**XYZ(30.7057, 22.4462,  
63.6869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C6CD2
RGB	156, 108, 210
RGB Percent	61%, 42%, 82%
CMY	0.3882, 0.5765, 0.1765
CMYK	0.26, 0.49, 0.00, 0.18
HSL	268°, 53%, 62%
HSV	268°, 49%, 82%
XYZ	30.7057, 22.4462, 63.6869
YIQ	133.9800, -4.1340, 41.8980

# Conversions

## Conversions Part 2

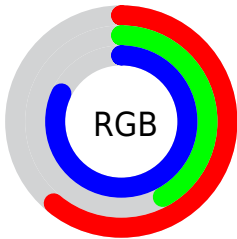
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 108, 210
Decimal	10251474
CIE Lab	54.50, 39.21, -45.71
CIE LCh	54, 60.228, 310.623
Yxy	22.4462, 0.2628, 0.1921
Android (android.graphics.Color)	4288441554 (0xFF9C6CD2)
YUV	133.9800, 37.4779, 19.3115
Hunter-Lab	47.3774, 32.7768, -46.5361

# Details

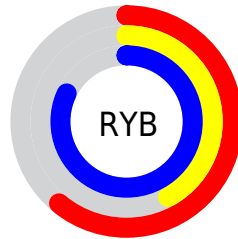
The XYZ color **30.7057, 22.4462, 63.6869** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **40.6541, 54.8577, 22.6341**, and the grayscale version is **22.5212, 23.6941, 25.8029**.

A 20% lighter version of the original color is **58.2354, 46.8559, 100.5825**, and **12.9598, 8.3193, 31.9331** is the 20% darker color. If you saturate the color by 10%, you get **26.6981, 17.4793, 62.9398**, and if you desaturate by 10%, it is **35.4453, 28.5830, 64.6220**.

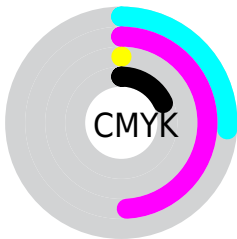
# Distribution



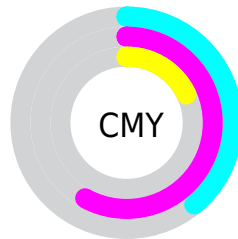
- Red (61%)
- Green (42%)
- Blue (82%)



- Red (61%)
- Yellow (42%)
- Blue (82%)



- Cyan (26%)
- Magenta (49%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (58%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7057, 22.4462, 63.6869 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 30.7057, 22.4462, 63.6869 by changing the saturation by 10% instead.





 30.7057, 22.4462,  
63.6869


 30.7057, 22.4462,  
63.6869

297.0313,  
264.8677, 456.2345


 20.5256, 14.1851,  
45.9526


 60.1554, 47.4824,  
111.7550


 12.8881, 8.2495,  
31.8600


 80.1557, 65.0263,  
142.9259

 7.4280, 4.2550,  
20.9907


 104.1602, 86.4332,  
179.4127

 3.7799, 1.8172,  
12.9260

 132.5340,  
112.0876, 221.6340

 1.5784, 0.4979,  
7.2475

165.6428,  
142.3739, 270.0082

 0.3783, 0.0000,  
3.5366

203.8516,

 0.0000, 0.0000,

177.6764, 324.9540

1.3747

247.5260,  
218.3795, 386.8900

■ 0.0000, 0.0000,  
0.1219

■ 0.0000, 0.0000,  
0.0000

■ 30.7057, 22.4462,  
63.6869

■ 30.7057, 22.4462,  
63.6869

■ 26.6981, 17.4793,  
62.9398

■ 35.4453, 28.5830,  
64.6220

■ 23.3758, 13.5992,  
62.3660

■ 40.9544, 35.9599,  
65.7555

■ 20.6898, 10.7153,  
61.9509

■ 47.2709, 44.6444,  
67.0989

■ 18.5823, 8.7207,  
61.6770

■ 54.4291, 54.6983,  
68.6622

■ 16.9670, 7.4514,  
61.5171

■ 62.4613, 66.1795,  
70.4550

■ 16.7594, 7.2960,  
61.4981

■ 71.3981, 79.1422,  
72.4860

■ 81.2673, 93.6360,  
74.7634

■ 85.0291, 95.5754,  
74.9395

■ 88.6329, 97.4332,  
75.1081

# Harmonies

## Analogous

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



23.7596, 22.4462, 80.3625



30.7057, 22.4462, 63.6869



35.6788, 22.4462, 38.5841

# Triad

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



30.7057, 22.4462, 63.6869



25.8261, 22.4462, 3.6914



11.1373, 22.4462, 31.7683

# Complementary

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



30.7057, 22.4462, 63.6869



40.6541, 54.8577, 22.6341

# 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.



11.4653, 22.4462, 14.2593



30.7057, 22.4462, 63.6869



19.0802, 22.4462, 3.2992

# Square

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



30.7057, 22.4462, 63.6869



32.4842, 22.4462, 7.5962



14.0949, 22.4462, 5.9355



13.0817, 22.4462, 56.5470



# Rectangle

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



30.7057, 22.4462, 63.6869



36.6997, 22.4462, 24.0469



14.0949, 22.4462, 5.9355



10.9974, 22.4462, 24.8375

# Sweetspot

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



30.7066, 22.4471, 63.6874



76.9770, 74.3366, 104.8990



30.8088, 33.8239, 65.8780



15.9857, 15.2257, 22.3463



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.



30.7066, 22.4471, 63.6874



41.3815, 27.0683, 97.6514



42.6165, 28.5868, 64.2448



11.6851, 11.6865, 14.8835



10.3371, 4.5093, 37.5180



0.6692, 0.2992, 2.1020



# Inverse Universe

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



38.4630, 27.0361, 37.3741



55.3073, 35.3159, 50.0217



32.3600, 50.5819, 22.2459



12.0665, 11.9113, 13.6260



18.0197, 9.0807, 10.2760



1.0475, 0.5237, 0.7849



# Previews

## White Background



This preview shows how the XYZ color 30.7057, 22.4462, 63.6869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

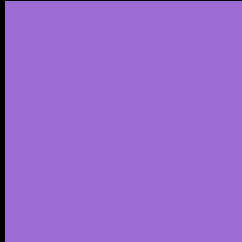
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7057, 22.4462, 63.6869 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 30.7057, 22.4462, 63.6869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7057, 22.4462, 63.6869.



This preview shows how white text looks on a background with the XYZ color 30.7057, 22.4462,



# 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

30.7057, 22.4462, 63.6869

### Protanopia

25.3393, 22.7115, 76.4470

### Deuteranopia

23.3522, 22.8140, 60.9304



## Tritanopia

23.2325, 22.5389, 26.4185

# Trichromacy



## Original Color

30.7057, 22.4462, 63.6869

## Protanomaly

26.3232, 22.0329, 71.2720

## Deuteranomaly

25.2849, 22.2483, 61.9932

## Tritanomaly

25.4204, 22.1339, 37.5828

# Monochromacy



## Original Color

30.7057, 22.4462, 63.6869

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

25.0105, 23.0266, 37.3088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7057, 22.4462, 63.6869 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, 108, 210)` looks like.

```
.text, #text, p{  
    color:rgb(156, 108, 210)  
}
```

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, 108, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 108, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7057, 22.4462, 63.6869 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, 108, 210) }
```



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

```
.border{ border-color:rgb(156, 108, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 108, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 108, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 108, 210);  
box-shadow:4px 4px 4px 4px rgb(156, 108,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7057, 22.4462, 63.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 108, 210) }
```

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

```
.background{ background-color: rgb(156,  
108, 210) }
```

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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