

Converting Colors

XYZ(31.3705, 22.3885, 73.6557)

Have a look what the booklet for
XYZ(31.3705, 22.3885, 73.6557)
contains.

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Color

**XYZ(31.4260, 22.4357,
73.9083)**

Conversions

Conversions Part 1

Format	Color
Hex	966BE1
RGB	150, 107, 225
RGB Percent	59%, 42%, 88%
CMY	0.4118, 0.5804, 0.1176
CMYK	0.33, 0.52, 0.00, 0.12
HSL	262°, 66%, 65%
HSV	262°, 52%, 88%
XYZ	31.4260, 22.4357, 73.9083
YIQ	133.3090, -12.2500, 45.8140

Conversions

Conversions Part 2

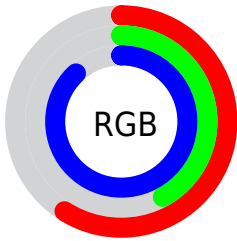
Format	Color
R_{YB}	150, 107, 225
Decimal	9858017
CIE _{Lab}	54.49, 41.92, -54.24
CIE _{LCh}	54, 68.553, 307.701
Yxy	22.4357, 0.2460, 0.1756
Android (android.graphics.Color)	4288048097 (0xFF966BE1)
YUV	133.3090, 45.2037, 14.6380
Hunter-Lab	47.3663, 35.5378, -59.3570

Details

The XYZ color **31.4260, 22.4357, 73.9083** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.8706, 64.8573, 23.8535**, and the grayscale version is **22.2513, 23.4101, 25.4936**.

A 20% lighter version of the original color is **56.1803, 45.2817, 100.3870**, and **13.2906, 8.2704, 38.4320** is the 20% darker color. If you saturate the color by 10%, you get **26.9053, 17.0646, 73.1103**, and if you desaturate by 10%, it is **36.8799, 29.1944, 74.9258**.

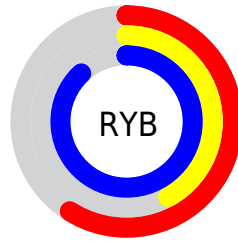
Distribution



Red (59%)

Green (42%)

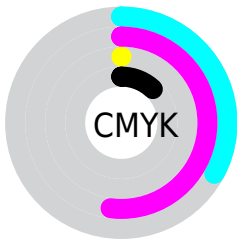
Blue (88%)



Red (59%)

Yellow (42%)

Blue (88%)

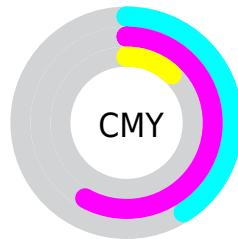


Cyan (33%)

Magenta (52%)

Yellow (0%)

Black (12%)



Cyan (41%)

Magenta (58%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4260, 22.4357, 73.9083 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 31.4260, 22.4357, 73.9083 by changing the saturation by 10% instead.

31.4260, 22.4357,
73.9083

31.4260, 22.4357,
73.9083

300.2881,
264.8132, 493.3118

21.0769, 14.1774,
54.2227

61.2814, 47.4651,
126.4986

13.2930, 8.2442,
38.3853

81.5185, 65.0049,
160.2404

7.7090, 4.2516,
25.9777

105.7821, 86.4074,
199.5047

3.9595, 1.8153,
16.5814

134.4378,
112.0569, 244.7099

1.6793, 0.4967,
9.7777

167.8509,
142.3379, 296.2747

0.4432, 0.0000,
5.1481

206.3868,

0.0000, 0.0000,

177.6346, 354.6176

2.2742

250.4107,
218.3316, 420.1571

■ 0.0000, 0.0000,
0.7167

■ 0.0000, 0.0000,
0.0000

■ 31.4260, 22.4357,
73.9083

■ 31.4260, 22.4357,
73.9083

■ 26.9053, 17.0646,
73.1103

■ 36.8799, 29.1944,
74.9258

■ 23.2551, 12.9758,
72.5134

■ 43.3185, 37.4302,
76.1762

■ 20.4084, 10.0526,
72.0992

■ 50.7921, 47.2279,
77.6734

■ 18.2853, 8.1540,
71.8447

■ 59.3472, 58.6650,
79.4301

■ 17.0699, 7.2299,
71.7304

■ 69.0267, 71.8137,
81.4579

■ 79.8716, 86.7420,
83.7677

■ 88.8135, 97.3001,
85.3344

■ 90.5907, 98.2163,
85.4175

Harmonies

Analogous

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



23.3178, 22.4357, 92.5645



31.4260, 22.4357, 73.9083



37.6619, 22.4357, 43.7120

Triad

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



31.4260, 22.4357, 73.9083



27.2840, 22.4357, 2.6695



9.9800, 22.4357, 30.3976

Complementary

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



31.4260, 22.4357, 73.9083



48.8706, 64.8573, 23.8535

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.



10.5632, 22.4357, 11.8604



31.4260, 22.4357, 73.9083



19.4481, 22.4357, 2.0950

Square

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



31.4260, 22.4357, 73.9083



34.9058, 22.4357, 6.8658



13.6591, 22.4357, 4.1464



11.8211, 22.4357, 59.4338

Rectangle

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



31.4260, 22.4357, 73.9083



39.2438, 22.4357, 26.1250



13.6591, 22.4357, 4.1464



9.9087, 22.4357, 22.8074

Sweetspot

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



31.4269, 22.4365, 73.9088



74.4821, 72.0837, 104.5957



36.7329, 42.7192, 77.5441



15.4363, 14.7522, 22.2838



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.



31.4269, 22.4365, 73.9088



35.2008, 22.0498, 97.0085



44.6649, 29.2609, 74.5284



13.4213, 13.4852, 17.2832



9.9537, 4.2266, 41.3396



0.7859, 0.3424, 2.8699

Inverse Universe

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



44.7529, 29.9009, 47.6684



55.2897, 33.3341, 56.0170



37.9933, 59.2499, 23.3445



14.0720, 13.8464, 16.1494



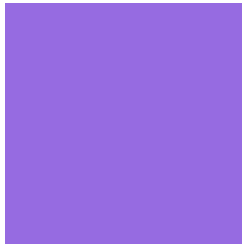
20.8084, 10.3903, 16.1885



1.4849, 0.7372, 1.3462

Previews

White Background



This preview shows how the XYZ color 31.4260, 22.4357, 73.9083 looks on a white background.

Color Contrast Check

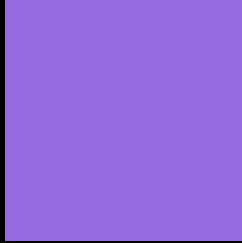
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4260, 22.4357, 73.9083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

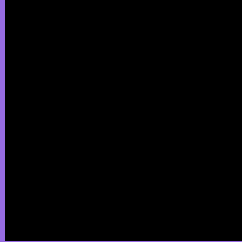
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4260, 22.4357, 73.9083

Background



This preview shows how black text looks on a background with the XYZ color 31.4260, 22.4357, 73.9083.



This preview shows how white text looks on a background with the XYZ color 31.4260, 22.4357,

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

31.4260, 22.4357, 73.9083

Protanopia

26.1047, 22.6467, 88.5833

Deuteranopia

23.4185, 22.6288, 70.8437



Tritanopia

22.1833, 22.5511, 27.6097

Trichromacy



Original Color

31.4260, 22.4357, 73.9083



Protanomaly

26.8127, 21.8495, 82.9250



Deuteranomaly

25.1814, 21.7897, 71.9859



Tritanomaly

24.7405, 22.0660, 40.9854

Monochromacy



Original Color

31.4260, 22.4357, 73.9083



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

24.7380, 22.6574, 39.1459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4260, 22.4357, 73.9083 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(150, 107, 225)` looks like.

```
.text, #text, p{  
    color:rgb(150, 107, 225)  
}
```

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(150, 107, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 107, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.4260, 22.4357, 73.9083 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(150, 107, 225) }
```


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

```
.border{ border-color:rgb(150, 107, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 107, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 107, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 107, 225);  
box-shadow:4px 4px 4px 4px rgb(150, 107,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4260, 22.4357, 73.9083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 107, 225) }
```

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

```
.background{ background-color: rgb(150,  
107, 225) }
```

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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