

Converting Colors

XYZ(32.3673, 25.7708, 71.1847)

Have a look what the booklet for
XYZ(32.3673, 25.7708, 71.1847)
contains.

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Color

**XYZ(32.2140, 25.6291,
70.9592)**

Conversions

Conversions Part 1

Format	Color
Hex	947BDC
RGB	148, 123, 220
RGB Percent	58%, 48%, 86%
CMY	0.4196, 0.5176, 0.1373
CMYK	0.33, 0.44, 0.00, 0.14
HSL	255°, 58%, 67%
HSV	255°, 44%, 86%
XYZ	32.2140, 25.6291, 70.9592
YIQ	141.5330, -16.2370, 35.4670

Conversions

Conversions Part 2

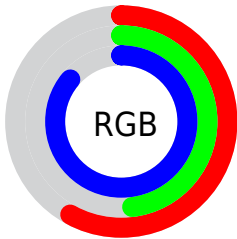
Format	Color
R_{YB}	148, 123, 220
Decimal	9731036
CIE _{Lab}	57.68, 31.01, -46.36
CIE _{LCh}	58, 55.773, 303.778
Yxy	25.6291, 0.2501, 0.1990
Android (android.graphics.Color)	4287921116 (0xFF947BDC)
YUV	141.5330, 38.6842, 5.6716
Hunter-Lab	50.6252, 24.9897, -47.6667

Details

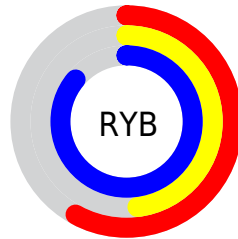
The XYZ color **32.2140, 25.6291, 70.9592** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.6742, 64.2189, 28.4116**, and the grayscale version is **25.3848, 26.7067, 29.0836**.

A 20% lighter version of the original color is **58.4772, 51.1080, 101.3905**, and **13.7657, 9.9576, 36.3184** is the 20% darker color. If you saturate the color by 10%, you get **27.0371, 19.3544, 70.0214**, and if you desaturate by 10%, it is **38.4228, 33.3469, 72.1221**.

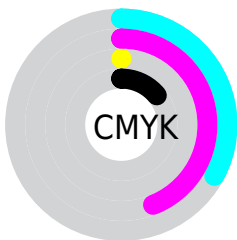
Distribution



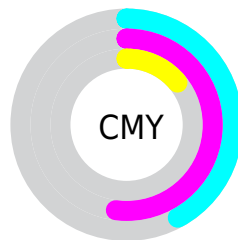
- Red (58%)
- Green (48%)
- Blue (86%)



- Red (58%)
- Yellow (48%)
- Blue (86%)



- Cyan (33%)
- Magenta (44%)
- Yellow (0%)
- Black (14%)



- Cyan (42%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2140, 25.6291, 70.9592 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 32.2140, 25.6291, 70.9592 by changing the saturation by 10% instead.

■ 32.2140, 25.6291,
70.9592

■ 32.2140, 25.6291,
70.9592

303.8209,
280.9566, 482.7906

■ 21.6813, 16.5464,
51.8273

■ 62.5094, 52.6760,
122.2695

■ 13.7382, 9.9116,
36.4861

■ 83.0028, 71.4089,
155.2850

■ 8.0193, 5.3404,
24.5172

■ 107.5471, 94.1274,
193.7655

■ 4.1592, 2.4483,
15.5020

136.5078,
121.2158, 238.1294

■ 1.7926, 0.8506,
9.0219

170.2502,
153.0585, 288.7953

■ 0.5132, 0.0000,
4.6585

209.1396,

■ 0.0000, 0.0000,

190.0400, 346.1818

1.9931

253.5414,
232.5445, 410.7074

■ 0.0000, 0.0000,
0.5510

■ 0.0000, 0.0000,
0.0000

■ 32.2140, 25.6291,
70.9592

■ 32.2140, 25.6291,
70.9592

■ 27.0371, 19.3544,
70.0214

■ 38.4228, 33.3469,
72.1221

■ 22.8301, 14.4278,
69.2922

■ 45.7146, 42.5887,
73.5216

■ 19.5288, 10.7473,
68.7558

■ 54.1404, 53.4329,
75.1707

■ 17.0590, 8.1942,
68.3932

■ 63.7473, 65.9515,
77.0807

■ 15.3331, 6.6259,
68.1814

■ 74.5794, 80.2120,
79.2623

■ 14.5889, 6.0286,
68.1053

■ 86.6777, 96.2767,
81.7255

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



25.2151, 25.6291, 82.9910



32.2140, 25.6291, 70.9592



37.7812, 25.6291, 47.4992

Triad

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



32.2140, 25.6291, 70.9592



30.4814, 25.6291, 6.2152



13.6671, 25.6291, 30.3982

Complementary

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



32.2140, 25.6291, 70.9592



51.6742, 64.2189, 28.4116

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.



14.5655, 25.6291, 14.6126



32.2140, 25.6291, 70.9592



23.5238, 25.6291, 4.9516

Square

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



32.2140, 25.6291, 70.9592



36.6595, 25.6291, 12.0535



17.8986, 25.6291, 7.1481



15.1739, 25.6291, 53.7334

Rectangle

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



32.2140, 25.6291, 70.9592



39.4742, 25.6291, 32.0817



17.8986, 25.6291, 7.1481



13.6995, 25.6291, 24.1089

Sweetspot

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



32.2150, 25.6301, 70.9598



76.8913, 76.2712, 105.2770



40.7709, 48.7461, 74.9707



15.8593, 15.5499, 22.4155



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.



32.2150, 25.6301, 70.9598



38.2056, 27.5543, 97.9126



42.7019, 31.0362, 71.4506



12.6518, 12.7786, 16.4518



8.6504, 3.5836, 39.9742



0.6404, 0.2734, 2.5935

Inverse Universe

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



46.4489, 33.3223, 55.6132



60.8786, 39.8330, 72.3048



41.2465, 58.8432, 27.9236



13.4636, 13.2145, 15.7024



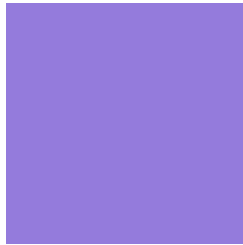
21.2651, 10.5071, 21.5739



1.4119, 0.6944, 1.5782

Previews

White Background



This preview shows how the XYZ color 32.2140, 25.6291, 70.9592 looks on a white background.

Color Contrast Check

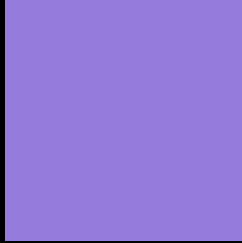
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2140, 25.6291, 70.9592 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 32.2140, 25.6291, 70.9592

Background



This preview shows how black text looks on a background with the XYZ color 32.2140, 25.6291, 70.9592.



This preview shows how white text looks on a background with the XYZ color 32.2140, 25.6291,

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

32.2140, 25.6291, 70.9592

Protanopia

28.2334, 25.7501, 79.0835

Deuteranopia

26.5426, 25.7281, 69.2127



Tritanopia

24.4105, 25.6538, 32.5193

Trichromacy



Original Color

32.2140, 25.6291, 70.9592

Protanomaly

29.3175, 25.5606, 76.0615

Deuteranomaly

28.2449, 25.5500, 69.7726

Tritanomaly

26.6066, 25.2735, 44.0334

Monochromacy



Original Color

32.2140, 25.6291, 70.9592

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.4213, 26.1595, 41.6342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2140, 25.6291, 70.9592 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(148, 123, 220)` looks like.

```
.text, #text, p{  
    color:rgb(148, 123, 220)  
}
```

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(148, 123, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 123, 220) }
```

Border

The CSS property to change the border of an element to XYZ 32.2140, 25.6291, 70.9592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

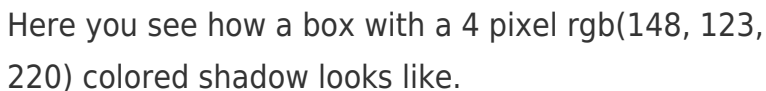
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 123, 220) }
```


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

```
.border{ border-color:rgb(148, 123, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 123, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 123, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 123, 220);  
box-shadow:4px 4px 4px 4px rgb(148, 123,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2140, 25.6291, 70.9592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 123, 220) }
```

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

```
.background{ background-color: rgb(148,  
123, 220) }
```

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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