

Converting Colors

XYZ(22.2205, 12.4042, 40.9617)

Have a look what the booklet for
XYZ(22.2205, 12.4042, 40.9617)
contains.

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Color

**XYZ(22.0972, 12.3431,
40.7530)**

Conversions

Conversions Part 1

Format	Color
Hex	9A34AD
RGB	154, 52, 173
RGB Percent	60%, 20%, 68%
CMY	0.3961, 0.7961, 0.3216
CMYK	0.11, 0.70, 0.00, 0.32
HSL	291°, 54%, 44%
HSV	291°, 70%, 68%
XYZ	22.0972, 12.3431, 40.7530
YIQ	96.2920, 21.9510, 59.2550

Conversions

Conversions Part 2

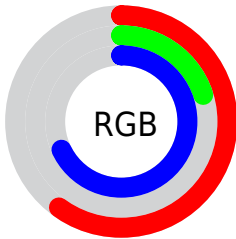
Format	Color
R_{YB}	154, 52, 173
Decimal	10106029
CIE _{Lab}	41.76, 58.50, -44.55
CIE _{LCh}	42, 73.531, 322.706
Yxy	12.3431, 0.2939, 0.1642
Android (android.graphics.Color)	4288296109 (0xFF9A34AD)
YUV	96.2920, 37.8170, 50.6099
Hunter-Lab	35.1327, 50.7876, -44.1818

Details

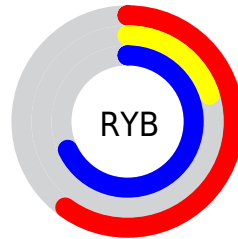
The XYZ color **22.0972, 12.3431, 40.7530** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **18.1623, 31.4750, 8.3673**, and the grayscale version is **11.0969, 11.6748, 12.7139**.

A 20% lighter version of the original color is **46.2645, 30.0214, 77.4850**, and **8.5358, 4.0087, 18.0932** is the 20% darker color. If you saturate the color by 10%, you get **20.9506, 10.8084, 40.5174**, and if you desaturate by 10%, it is **23.5394, 14.4506, 41.0840**.

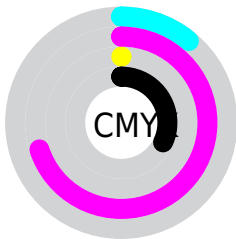
Distribution



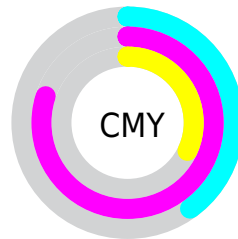
- Red (60%)
- Green (20%)
- Blue (68%)



- Red (60%)
- Yellow (20%)
- Blue (68%)



- Cyan (11%)
- Magenta (70%)
- Yellow (0%)
- Black (32%)




- Cyan (40%)
- Magenta (80%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0972, 12.3431, 40.7530 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 22.0972, 12.3431, 40.7530 by changing the saturation by 10% instead.


 22.0972, 12.3431,
40.7530


 22.0972, 12.3431,
40.7530


255.6763,
206.6637, 364.9332


 14.0453, 6.9778,
27.8079


 46.3843, 30.1185,
77.5584


 8.2341, 3.4482,
17.9431

 63.3502, 43.2973,
102.2557


 4.2982, 1.3700,
10.7401


 84.0181, 59.8495,
131.7076

 1.8722, 0.1944,
5.7804

 108.7535, 80.1593,
166.3325

 0.5606, 0.0000,
2.6454

 137.9217,
104.6113, 206.5490

 0.0000, 0.0000,
0.9158

 171.8879,

 0.0000, 0.0000,

133.5897, 252.7756

0.0000

211.0177,
167.4791, 305.4308

■ 22.0972, 12.3431,
40.7530

■ 22.0972, 12.3431,
40.7530

■ 20.9506, 10.8084,
40.5174

■ 23.5394, 14.4506,
41.0840

■ 20.0654, 9.7797,
40.3655

■ 25.3034, 17.1850,
41.5188

■ 19.3717, 9.1168,
40.2741

■ 27.4145, 20.5956,
42.0658

■ 19.3677, 9.1131,
40.2736

■ 29.8945, 24.7266,
42.7325

■ 32.7638, 29.6183,
43.5254

■ 36.0410, 35.3079,
44.4509

■ 39.7437, 41.8304,
45.5147

■ 43.8882, 49.2184,
46.7223

■ 48.4902, 57.5031,
48.0789

Harmonies

Analogous

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



16.2193, 12.3431, 63.8606



22.0972, 12.3431, 40.7530



25.3591, 12.3431, 17.5848

Triad

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



22.0972, 12.3431, 40.7530



13.1017, 12.3431, 0.0000



4.5176, 12.3431, 28.5184

Complementary

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



22.0972, 12.3431, 40.7530



18.1623, 31.4750, 8.3673

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.



4.1463, 12.3431, 10.0030



22.0972, 12.3431, 40.7530



8.1592, 12.3431, 0.2909

Square

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



22.0972, 12.3431, 40.7530



19.2249, 12.3431, 0.9436



5.2528, 12.3431, 2.2677



6.4931, 12.3431, 53.7619

Rectangle

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



22.0972, 12.3431, 40.7530



25.0753, 12.3431, 7.8972



5.2528, 12.3431, 2.2677



4.2321, 12.3431, 21.1089

Sweetspot

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



22.0977, 12.3436, 40.7533



57.9010, 51.7088, 77.7348



11.2876, 8.4040, 40.5626



12.2773, 10.7136, 16.8085



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0977, 12.3436, 40.7533



36.5914, 18.2352, 72.3969



22.6726, 13.0249, 23.3894



8.2117, 8.0835, 10.0802



14.2678, 6.7152, 29.5887



0.4295, 0.2036, 0.8247

Inverse Universe

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



19.5993, 11.7956, 7.2055



32.4613, 17.5547, 6.7551



18.3065, 31.3961, 15.2976



8.0546, 8.0351, 8.5985



12.8216, 6.5912, 1.4402



0.3719, 0.1895, 0.1204

Previews

White Background



This preview shows how the XYZ color 22.0972, 12.3431, 40.7530 looks on a white background.

Color Contrast Check

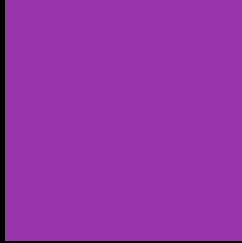
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.0972, 12.3431, 40.7530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

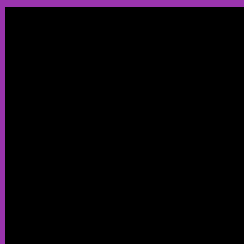
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0972, 12.3431, 40.7530

Background



This preview shows how black text looks on a background with the XYZ color 22.0972, 12.3431, 40.7530.



This preview shows how white text looks on a background with the XYZ color 22.0972, 12.3431,

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

22.0972, 12.3431, 40.7530

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.9796, 12.6717, 37.3591



Tritanopia

15.9904, 12.4126, 10.5699

Trichromacy



Original Color

22.0972, 12.3431, 40.7530



Protanomaly

14.0140, 10.3838, 51.1348



Deuteranomaly

14.5748, 11.2890, 38.4566



Tritanomaly

17.4928, 11.8914, 18.5128

Monochromacy



Original Color

22.0972, 12.3431, 40.7530



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

13.8429, 10.9745, 20.4575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0972, 12.3431, 40.7530 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(154, 52, 173)` looks like.

```
.text, #text, p{  
    color:rgb(154, 52, 173)  
}
```

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(154, 52, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 52, 173) }
```

Border

The CSS property to change the border of an element to XYZ 22.0972, 12.3431, 40.7530 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(154, 52, 173) }
```


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

```
.border{ border-color:rgb(154, 52, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 52, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 52, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 52, 173);  
box-shadow:4px 4px 4px 4px rgb(154, 52,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0972, 12.3431, 40.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 52, 173) }
```

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

```
.background{ background-color: rgb(154, 52,  
173) }
```

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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