

Converting Colors

XYZ(22.1274, 12.9779, 46.1454)

Have a look what the booklet for
XYZ(22.1274, 12.9779, 46.1454)
contains.

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Color

**XYZ(22.1239, 12.9751,
46.1381)**

Conversions

Conversions Part 1

Format	Color
Hex	923EB7
RGB	146, 62, 183
RGB Percent	57%, 24%, 72%
CMY	0.4274, 0.7569, 0.2824
CMYK	0.20, 0.66, 0.00, 0.28
HSL	282°, 49%, 48%
HSV	282°, 66%, 72%
XYZ	22.1239, 12.9751, 46.1381
YIQ	100.9100, 11.2230, 55.4390

Conversions

Conversions Part 2

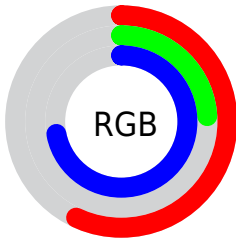
Format	Color
R_{YB}	146, 62, 183
Decimal	9584311
CIE _{Lab}	42.73, 54.44, -48.97
CIE _{LCh}	43, 73.226, 318.029
Yxy	12.9751, 0.2723, 0.1597
Android (android.graphics.Color)	4287774391 (0xFF923EB7)
YUV	100.9100, 40.4704, 39.5439
Hunter-Lab	36.0210, 46.5971, -50.7280

Details

The XYZ color **22.1239, 12.9751, 46.1381** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.9488, 36.8677, 10.4644**, and the grayscale version is **12.2439, 12.8816, 14.0280**.

A 20% lighter version of the original color is **46.4875, 31.2492, 86.0196**, and **8.2768, 3.8091, 21.0679** is the 20% darker color. If you saturate the color by 10%, you get **20.3207, 10.8090, 45.8153**, and if you desaturate by 10%, it is **24.3119, 15.8373, 46.5755**.

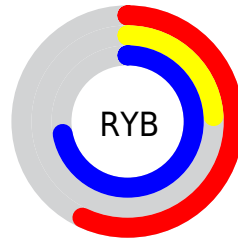
Distribution



Red (57%)

Green (24%)

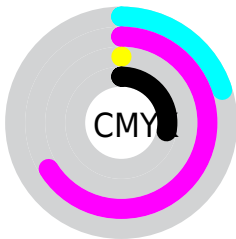
Blue (72%)



Red (57%)

Yellow (24%)

Blue (72%)

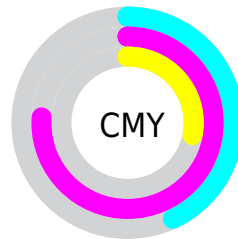


Cyan (20%)

Magenta (66%)

Yellow (0%)

Black (28%)



Cyan (43%)

Magenta (76%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1239, 12.9751, 46.1381 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 22.1239, 12.9751, 46.1381 by changing the saturation by 10% instead.

■ 22.1239, 12.9751,
46.1381

■ 22.1239, 12.9751,
46.1381

255.8128,
210.7580, 387.6573

■ 14.0651, 7.4114,
32.0054

■ 46.4280, 31.2590,
85.7621

■ 8.2479, 3.7207,
21.1007

■ 63.4040, 44.7481,
112.0904

■ 4.3071, 1.5186,
13.0057

■ 84.0832, 61.6477,
143.3211

■ 1.8773, 0.3018,
7.3017

■ 108.8307, 82.3422,
179.8725

■ 0.5636, 0.0000,
3.5702

■ 138.0121,
107.2162, 222.1633

■ 0.0000, 0.0000,
1.3926

171.9927,

■ 0.0000, 0.0000,

136.6538, 270.6120

0.1360

211.1378,
171.0397, 325.6372

■ 0.0000, 0.0000,
0.0000

■ 22.1239, 12.9751,
46.1381

■ 22.1239, 12.9751,
46.1381

■ 20.3207, 10.8090,
45.8153

■ 24.3119, 15.8373,
46.5755

■ 18.8648, 9.2667,
45.5943

■ 26.9140, 19.4551,
47.1366

■ 17.7103, 8.2571,
45.4603

■ 29.9584, 23.8831,
47.8309

■ 17.3061, 7.9342,
45.4193

■ 33.4701, 29.1706,
48.6664

■ 37.4722, 35.3628,
49.6506

■ 41.9862, 42.5015,
50.7906

■ 47.0322, 50.6261,
52.0929

■ 52.6290, 59.7737,
53.5636

■ 58.7948, 69.9793,
55.2085

Harmonies

Analogous

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



15.9504, 12.9751, 67.9130



22.1239, 12.9751, 46.1381



26.0448, 12.9751, 21.4864

Triad

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



22.1239, 12.9751, 46.1381



14.6881, 12.9751, 0.1421



4.6981, 12.9751, 25.8965

Complementary

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



22.1239, 12.9751, 46.1381



22.9488, 36.8677, 10.4644

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.



4.5459, 12.9751, 8.6762



22.1239, 12.9751, 46.1381



9.3076, 12.9751, 0.2821

Square

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



22.1239, 12.9751, 46.1381



20.9638, 12.9751, 1.3959



5.9639, 12.9751, 1.9450



6.4704, 12.9751, 51.3667

Rectangle

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



22.1239, 12.9751, 46.1381



26.2557, 12.9751, 10.2642



5.9639, 12.9751, 1.9450



4.4805, 12.9751, 18.8562

Sweetspot

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



22.1245, 12.9756, 46.1384



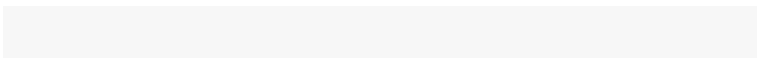
63.9836, 58.4609, 88.1475



15.1218, 13.6187, 46.6316



13.6919, 12.2324, 19.3610



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.1245, 12.9756, 46.1384



35.2306, 18.0743, 81.8675



27.6682, 16.0796, 35.2793



9.1064, 9.0212, 11.3407



12.1454, 5.5724, 31.6885



0.4881, 0.2273, 1.1199

Inverse Universe

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



23.5035, 14.4137, 13.3480



38.7658, 21.3580, 16.0137



20.5278, 35.5343, 14.2025



9.1147, 9.0562, 9.9512



14.1479, 7.2329, 3.3997



0.5272, 0.2664, 0.2699

Previews

White Background



This preview shows how the XYZ color 22.1239, 12.9751, 46.1381 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 22.1239, 12.9751, 46.1381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

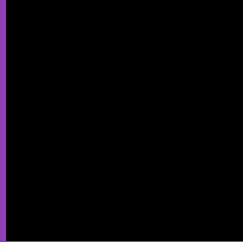
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1239, 12.9751, 46.1381

Background



This preview shows how black text looks on a background with the XYZ color 22.1239, 12.9751, 46.1381.



This preview shows how white text looks on a background with the XYZ color 22.1239, 12.9751,

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

22.1239, 12.9751, 46.1381

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.5844, 13.3092, 42.4104



Tritanopia

15.3566, 12.9758, 12.7615

Trichromacy



Original Color

22.1239, 12.9751, 46.1381



Protanomaly

15.0255, 11.3774, 55.4370



Deuteranomaly

14.8339, 11.8993, 43.6344



Tritanomaly

17.1735, 12.5538, 21.9400

Monochromacy



Original Color

22.1239, 12.9751, 46.1381



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

14.8410, 12.2370, 23.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1239, 12.9751, 46.1381 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(146, 62, 183)` looks like.

```
.text, #text, p{  
    color:rgb(146, 62, 183)  
}
```

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(146, 62, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 62, 183) }
```

Border

The CSS property to change the border of an element to XYZ 22.1239, 12.9751, 46.1381 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(146, 62, 183) }
```


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

```
.border{ border-color:rgb(146, 62, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 62, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 62, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 62, 183);  
box-shadow:4px 4px 4px 4px rgb(146, 62,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1239, 12.9751, 46.1381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 62, 183) }
```

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

```
.background{ background-color: rgb(146, 62,  
183) }
```

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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