

Converting Colors

XYZ(24.2589, 13.9881, 51.6436)

Have a look what the booklet for
XYZ(24.2589, 13.9881, 51.6436)
contains.

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Color

**XYZ(24.2972, 13.9709,
51.8681)**

Conversions

Conversions Part 1

Format	Color
Hex	983EC1
RGB	152, 62, 193
RGB Percent	60%, 24%, 76%
CMY	0.4039, 0.7569, 0.2431
CMYK	0.21, 0.68, 0.00, 0.24
HSL	281°, 51%, 50%
HSV	281°, 68%, 76%
XYZ	24.2972, 13.9709, 51.8681
YIQ	103.8440, 11.5890, 59.8210

Conversions

Conversions Part 2

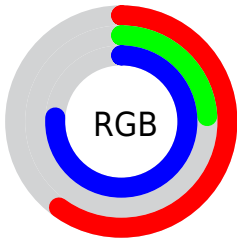
Format	Color
R_{YB}	152, 62, 193
Decimal	9977537
CIE Lab	44.19, 57.88, -52.42
CIE LCh	44, 78.093, 317.836
Yxy	13.9709, 0.2696, 0.1550
Android (android.graphics.Color)	4288167617 (0xFF983EC1)
YUV	103.8440, 43.9539, 42.2328
Hunter-Lab	37.3777, 50.6223, -56.1110

Details

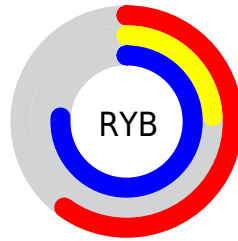
The XYZ color **24.2972, 13.9709, 51.8681** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **25.5332, 41.3715, 11.1976**, and the grayscale version is **13.0012, 13.6783, 14.8957**.

A 20% lighter version of the original color is **49.7952, 32.9482, 94.1776**, and **9.4113, 4.3218, 24.3829** is the 20% darker color. If you saturate the color by 10%, you get **22.3261, 11.6640, 51.5270**, and if you desaturate by 10%, it is **26.6996, 17.0537, 52.3368**.

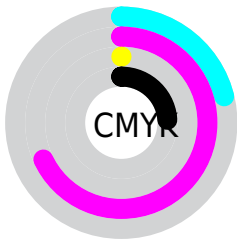
Distribution



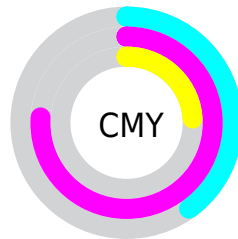
- Red (60%)
- Green (24%)
- Blue (76%)



- Red (60%)
- Yellow (24%)
- Blue (76%)



- Cyan (21%)
- Magenta (68%)
- Yellow (0%)
- Black (24%)





- Cyan (40%)
- Magenta (76%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2972, 13.9709, 51.8681 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 24.2972, 13.9709, 51.8681 by changing the saturation by 10% instead.


 24.2972, 13.9709,
51.8681

 24.2972, 13.9709,
51.8681


266.7323,
217.0497, 410.8696


 15.6802, 8.1004,
36.5184


 49.9659, 33.0374,
94.3613

 9.3875, 4.1593,
24.5420


 67.7483, 47.0022,
122.3419


 5.0539, 1.7631,
15.5203


 89.3165, 64.4339,
155.3699

 2.3140, 0.4640,
9.0347

 115.0359, 85.7169,
193.8638

 0.8018, 0.0000,
4.6667

 145.2718,
111.2356, 238.2422

 0.0000, 0.0000,
1.9978

180.3896,

 0.0000, 0.0000,

141.3743, 288.9236

0.5539

220.7546,
176.5176, 346.3266

■ 0.0000, 0.0000,
0.0000

■ 24.2972, 13.9709,
51.8681

■ 24.2972, 13.9709,
51.8681

■ 22.3261, 11.6640,
51.5270

■ 26.6996, 17.0537,
52.3368

■ 20.7422, 10.0478,
51.2985

■ 29.5679, 20.9820,
52.9438

■ 19.4829, 8.9979,
51.1622

■ 32.9347, 25.8196,
53.7001

■ 19.2352, 8.8041,
51.1379

■ 36.8292, 31.6235,
54.6151

■ 41.2781, 38.4458,
55.6975

■ 46.3061, 46.3351,
56.9553

■ 51.9365, 55.3365,
58.3960

■ 58.1911, 65.4928,
60.0267

■ 65.0907, 76.8444,
61.8541

Harmonies

Analogous

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



17.3005, 13.9709, 76.9111



24.2972, 13.9709, 51.8681



28.7878, 13.9709, 23.6563

Triad

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



24.2972, 13.9709, 51.8681



15.9693, 13.9709, 0.0000



4.8226, 13.9709, 28.3405

Complementary

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



24.2972, 13.9709, 51.8681



25.5332, 41.3715, 11.1976

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.



4.6680, 13.9709, 9.0624



24.2972, 13.9709, 51.8681



9.9345, 13.9709, 0.1295

Square

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



24.2972, 13.9709, 51.8681



23.0637, 13.9709, 1.3156



6.2265, 13.9709, 1.8436



6.7467, 13.9709, 57.5033

Rectangle

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



24.2972, 13.9709, 51.8681



29.0520, 13.9709, 10.9941



6.2265, 13.9709, 1.8436



4.5901, 13.9709, 20.3903

Sweetspot

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



24.2978, 13.9714, 51.8684



71.8918, 65.7035, 99.2532



16.5111, 14.6718, 52.4140



14.9320, 13.3402, 21.1732



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.2978, 13.9714, 51.8684



38.6590, 19.4756, 92.0819



30.8751, 17.6470, 39.3072



10.1807, 10.0843, 12.6947



12.8790, 5.8998, 34.0166



0.6248, 0.2902, 1.4730

Inverse Universe

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



26.1634, 15.7623, 14.4956



43.2843, 23.5212, 17.2490



22.7373, 39.8365, 15.2989



10.2001, 10.1287, 11.1445



15.2092, 7.7735, 3.7480



0.6889, 0.3486, 0.3289

Previews

White Background



This preview shows how the XYZ color 24.2972, 13.9709, 51.8681 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 24.2972, 13.9709, 51.8681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

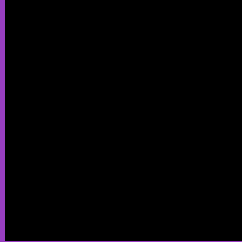
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2972, 13.9709, 51.8681

Background



This preview shows how black text looks on a background with the XYZ color 24.2972, 13.9709, 51.8681.



This preview shows how white text looks on a background with the XYZ color 24.2972, 13.9709,

51.8681.

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

24.2972, 13.9709, 51.8681

Protanopia

16.9194, 14.2137, 66.1417

Deuteranopia

14.6041, 14.1682, 47.8640



Tritanopia

16.5605, 13.9584, 13.6258

Trichromacy



Original Color

24.2972, 13.9709, 51.8681



Protanomaly

16.2462, 12.1336, 60.5172



Deuteranomaly

15.8752, 12.5629, 49.1651



Tritanomaly

18.5038, 13.4180, 23.8050

Monochromacy



Original Color

24.2972, 13.9709, 51.8681



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

15.9015, 12.9873, 24.9612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2972, 13.9709, 51.8681 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(152, 62, 193)` looks like.

```
.text, #text, p{  
    color:rgb(152, 62, 193)  
}
```

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(152, 62, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 62, 193) }
```

Border

The CSS property to change the border of an element to XYZ 24.2972, 13.9709, 51.8681 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(152, 62, 193) }
```


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

```
.border{ border-color:rgb(152, 62, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 62, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 62, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 62, 193);  
box-shadow:4px 4px 4px 4px rgb(152, 62,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2972, 13.9709, 51.8681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 62, 193) }
```

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

```
.background{ background-color: rgb(152, 62,  
193) }
```

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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