

Converting Colors

XYZ(24.9144, 13.2929, 58.7761)

Have a look what the booklet for
XYZ(24.9144, 13.2929, 58.7761)
contains.

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Color

**XYZ(24.9225, 13.2683,
59.0051)**

Conversions

Conversions Part 1

Format	Color
Hex	9732CD
RGB	151, 50, 205
RGB Percent	59%, 20%, 80%
CMY	0.4078, 0.8039, 0.1961
CMYK	0.26, 0.76, 0.00, 0.20
HSL	279°, 61%, 50%
HSV	279°, 76%, 80%
XYZ	24.9225, 13.2683, 59.0051
YIQ	97.8690, 10.4410, 69.6170

Conversions

Conversions Part 2

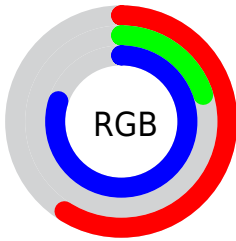
Format	Color
R_{YB}	151, 50, 205
Decimal	9908941
CIE _{Lab}	43.16, 65.01, -61.05
CIE _{LCh}	43, 89.179, 316.799
Yxy	13.2683, 0.2564, 0.1365
Android (android.graphics.Color)	4288099021 (0xFF9732CD)
YUV	97.8690, 52.8156, 46.5959
Hunter-Lab	36.4257, 58.3850, -70.5445

Details

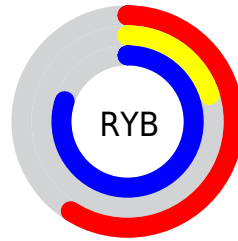
The XYZ color **24.9225, 13.2683, 59.0051** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **28.1163, 46.8363, 10.5764**, and the grayscale version is **11.4489, 12.0451, 13.1172**.

A 20% lighter version of the original color is **49.6022, 31.2907, 98.0331**, and **10.1211, 4.5817, 29.2051** is the 20% darker color. If you saturate the color by 10%, you get **22.9485, 11.2281, 58.7156**, and if you desaturate by 10%, it is **27.3702, 16.1351, 59.4297**.

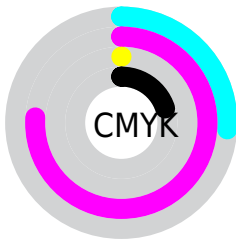
Distribution



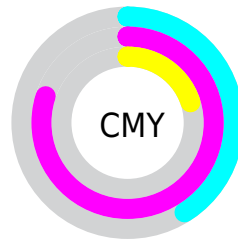
- Red (59%)
- Green (20%)
- Blue (80%)



- Red (59%)
- Yellow (20%)
- Blue (80%)



- Cyan (26%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)



- Cyan (41%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9225, 13.2683, 59.0051 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 24.9225, 13.2683, 59.0051 by changing the saturation by 10% instead.

■ 24.9225, 13.2683,
59.0051

■ 24.9225, 13.2683,
59.0051

269.8065,
212.6301, 438.6232

■ 16.1477, 7.6136,
42.1972

■ 50.9753, 31.7850,
104.9143

■ 9.7203, 3.8487,
28.9290

■ 68.9840, 45.4157,
134.8526

■ 5.2747, 1.5893,
18.7820

■ 90.8014, 62.4738,
170.0048

■ 2.4457, 0.3504,
11.3376

■ 116.7929, 83.3438,
210.7895

■ 0.8680, 0.0000,
6.1774

■ 147.3238,
108.4100, 257.6251

■ 0.0000, 0.0000,
2.8827

■ 182.7595,

■ 0.0000, 0.0000,

138.0569, 310.9303

1.0351

223.4653,
172.6688, 371.1234

■ 0.0000, 0.0000,
0.0000

■ 24.9225, 13.2683,
59.0051

■ 24.9225, 13.2683,
59.0051

■ 22.9485, 11.2281,
58.7156

■ 27.3702, 16.1351,
59.4297

■ 21.3877, 9.8978,
58.5411

■ 30.3374, 19.9205,
60.0040

■ 20.7845, 9.4419,
58.4849

■ 33.8663, 24.7060,
60.7417

■ 37.9935, 30.5629,
61.6546

■ 42.7526, 37.5564,
62.7537

■ 48.1742, 45.7462,
64.0487

■ 54.2870, 55.1875,
65.5489

■ 61.1179, 65.9324,
67.2629

■ 68.6921, 78.0299,
69.1987

Harmonies

Analogous

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



16.8342, 13.2683, 89.5473



24.9225, 13.2683, 59.0051



30.3744, 13.2683, 24.9427

Triad

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



24.9225, 13.2683, 59.0051



15.8803, 13.2683, 0.0000



3.7125, 13.2683, 28.3973

Complementary

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



24.9225, 13.2683, 59.0051



28.1163, 46.8363, 10.5764

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.



3.6182, 13.2683, 7.4064



24.9225, 13.2683, 59.0051



9.1609, 13.2683, 0.0000

Square

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



24.9225, 13.2683, 59.0051



24.0091, 13.2683, 0.6582



5.2165, 13.2683, 0.9350



5.5494, 13.2683, 63.4075

Rectangle

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



24.9225, 13.2683, 59.0051



30.8378, 13.2683, 10.4097



5.2165, 13.2683, 0.9350



3.5077, 13.2683, 19.4125

Sweetspot

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



24.9231, 13.2688, 59.0054



71.9873, 64.4466, 103.2530



17.3108, 15.0375, 59.7480



14.7518, 12.8142, 21.9458



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.



24.9231, 13.2688, 59.0054



35.8462, 16.8476, 95.9704



34.7355, 18.6278, 45.8858



11.2934, 11.2006, 14.1371



13.0451, 5.9325, 36.4138



0.7529, 0.3473, 1.8823

Inverse Universe

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



28.8165, 16.2602, 14.7168



44.0335, 22.8661, 15.1341



24.3580, 44.8254, 13.7157



11.3710, 11.2771, 12.4883



16.4308, 8.3829, 4.7210



0.8833, 0.4467, 0.4315

Previews

White Background



This preview shows how the XYZ color 24.9225, 13.2683, 59.0051 looks on a white background.

Color Contrast Check

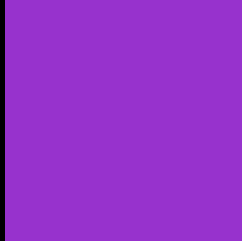
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9225, 13.2683, 59.0051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

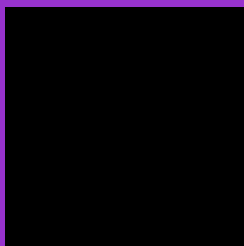
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.9225, 13.2683, 59.0051

Background



This preview shows how black text looks on a background with the XYZ color 24.9225, 13.2683, 59.0051.



This preview shows how white text looks on a background with the XYZ color 24.9225, 13.2683,

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

24.9225, 13.2683, 59.0051

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.5988, 13.5220, 46.6930



Tritanopia

15.4867, 13.1619, 13.0335

Trichromacy



Original Color

24.9225, 13.2683, 59.0051



Protanomaly

15.9031, 11.2512, 61.0080



Deuteranomaly

14.2280, 11.0708, 50.6772



Tritanomaly

17.7752, 12.3852, 24.7463

Monochromacy



Original Color

24.9225, 13.2683, 59.0051



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

14.7939, 11.4729, 25.1017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9225, 13.2683, 59.0051 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(151, 50, 205)` looks like.

```
.text, #text, p{  
    color:rgb(151, 50, 205)  
}
```

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(151, 50, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 50, 205) }
```

Border

The CSS property to change the border of an element to XYZ 24.9225, 13.2683, 59.0051 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(151, 50, 205) }
```


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

```
.border{ border-color:rgb(151, 50, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 50, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 50, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 50, 205);  
box-shadow:4px 4px 4px 4px rgb(151, 50,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9225, 13.2683, 59.0051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 50, 205) }
```

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

```
.background{ background-color: rgb(151, 50,  
205) }
```

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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