

Converting Colors

XYZ(24.2700, 14.3595, 56.7403)

Have a look what the booklet for
XYZ(24.2700, 14.3595, 56.7403)
contains.

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Color

**XYZ(24.2868, 14.3710,
56.7522)**

Conversions

Conversions Part 1

Format	Color
Hex	9144C9
RGB	145, 68, 201
RGB Percent	57%, 27%, 79%
CMY	0.4314, 0.7333, 0.2118
CMYK	0.28, 0.66, 0.00, 0.21
HSL	275°, 55%, 53%
HSV	275°, 66%, 79%
XYZ	24.2868, 14.3710, 56.7522
YIQ	106.1850, 3.1990, 57.6870

Conversions

Conversions Part 2

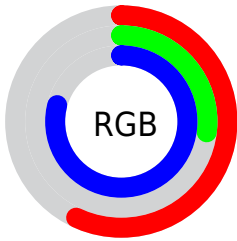
Format	Color
R _Y B	145, 68, 201
Decimal	9520329
CIE Lab	44.76, 55.39, -56.20
CIE LCh	45, 78.902, 314.584
Yxy	14.3710, 0.2546, 0.1506
Android (android.graphics.Color)	4287710409 (0xFF9144C9)
YUV	106.1850, 46.7438, 34.0408
Hunter-Lab	37.9091, 48.0167, -62.2243

Details

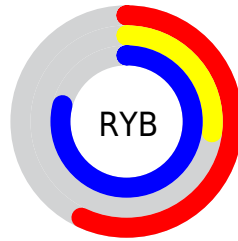
The XYZ color **24.2868, 14.3710, 56.7522** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **30.2423, 46.4760, 12.8460**, and the grayscale version is **13.6261, 14.3357, 15.6116**.

A 20% lighter version of the original color is **49.2445, 33.4513, 98.4690**, and **9.3733, 4.3294, 27.5358** is the 20% darker color. If you saturate the color by 10%, you get **21.8369, 11.6025, 56.3472**, and if you desaturate by 10%, it is **27.2657, 18.0310, 57.3019**.

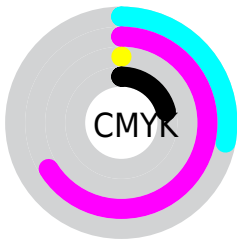
Distribution



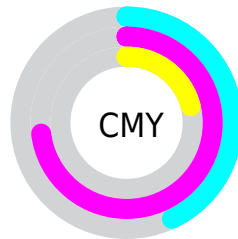
- Red (57%)
- Green (27%)
- Blue (79%)



- Red (57%)
- Yellow (27%)
- Blue (79%)



- Cyan (28%)
- Magenta (66%)
- Yellow (0%)
- Black (21%)



- Cyan (43%)
- Magenta (73%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2868, 14.3710, 56.7522 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 24.2868, 14.3710, 56.7522 by changing the saturation by 10% instead.

■ 24.2868, 14.3710,
56.7522

■ 24.2868, 14.3710,
56.7522

266.6809,
219.5268, 429.9878

■ 15.6724, 8.3792,
40.3983

■ 49.9491, 33.7459,
101.6003

■ 9.3820, 4.3385,
27.5331

■ 67.7277, 47.8977,
130.9315

■ 5.0503, 1.8647,
17.7380

■ 89.2917, 65.5383,
165.4256

■ 2.3119, 0.5270,
10.5946

■ 115.0065, 87.0521,
205.5011

■ 0.8007, 0.0000,
5.6842

■ 145.2375,
112.8234, 251.5765

■ 0.0000, 0.0000,
2.5884

180.3500,

■ 0.0000, 0.0000,

143.2367, 304.0704

0.8864

220.7093,
178.6764, 363.4013

■ 0.0000, 0.0000,
0.0000

■ 24.2868, 14.3710,
56.7522

■ 24.2868, 14.3710,
56.7522

■ 21.8369, 11.6025,
56.3472

■ 27.2657, 18.0310,
57.3019

■ 19.8669, 9.6334,
56.0710

■ 30.8124, 22.6588,
58.0082

■ 18.3186, 8.3498,
55.9048

■ 34.9636, 28.3241,
58.8830

■ 17.7946, 7.9556,
55.8563

■ 39.7525, 35.0896,
59.9364

■ 45.2094, 43.0130,
61.1782

■ 51.3626, 52.1477,
62.6170

■ 58.2387, 62.5438,
64.2613

■ 65.8627, 74.2486,
66.1187

■ 74.2585, 87.3068,
68.1967

Harmonies

Analogous

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



17.0095, 14.3710, 80.8649



24.2868, 14.3710, 56.7522



29.3513, 14.3710, 27.0535

Triad

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



24.2868, 14.3710, 56.7522



17.2108, 14.3710, 0.0776



4.8566, 14.3710, 26.3452

Complementary

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



24.2868, 14.3710, 56.7522



30.2423, 46.4760, 12.8460

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.



4.8799, 14.3710, 8.0051



24.2868, 14.3710, 56.7522



10.7805, 14.3710, 0.0569

Square

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



24.2868, 14.3710, 56.7522



24.4734, 14.3710, 1.6382



6.6968, 14.3710, 1.5588



6.6183, 14.3710, 55.8993

Rectangle

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



24.2868, 14.3710, 56.7522



30.0304, 14.3710, 12.9887



6.6968, 14.3710, 1.5588



4.6790, 14.3710, 18.6467

Sweetspot

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



24.2875, 14.3715, 56.7525



73.4194, 67.8182, 103.8283



20.3409, 20.2745, 58.0999



15.1488, 13.6952, 22.0950



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.



24.2875, 14.3715, 56.7525



35.9652, 18.3829, 96.2604



35.6840, 20.3638, 51.9968



10.6349, 10.5856, 13.4002



11.2949, 5.0570, 35.1251



0.6162, 0.2814, 1.6670

Inverse Universe

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



29.7928, 18.0073, 20.9741



47.1525, 25.7023, 26.6607



24.6057, 43.5365, 14.1034



10.8160, 10.7098, 12.0145



16.2106, 8.2338, 6.3186



0.8036, 0.4043, 0.4888

Previews

White Background



This preview shows how the XYZ color 24.2868, 14.3710, 56.7522 looks on a white background.

Color Contrast Check

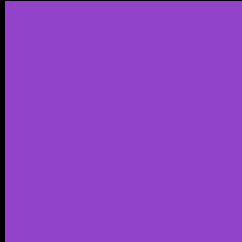
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2868, 14.3710, 56.7522 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 24.2868, 14.3710, 56.7522

Background



This preview shows how black text looks on a background with the XYZ color 24.2868, 14.3710, 56.7522.



This preview shows how white text looks on a background with the XYZ color 24.2868, 14.3710,

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

24.2868, 14.3710, 56.7522

Protanopia

17.2758, 14.5125, 67.5363

Deuteranopia

14.7665, 14.4867, 51.3081



Tritanopia

15.8196, 14.3445, 15.2996

Trichromacy



Original Color

24.2868, 14.3710, 56.7522



Protanomaly

16.8822, 12.7724, 63.2035



Deuteranomaly

15.2329, 12.5257, 53.2446



Tritanomaly

17.9733, 13.7782, 26.5231

Monochromacy



Original Color

24.2868, 14.3710, 56.7522



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

16.3806, 13.5704, 26.9553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2868, 14.3710, 56.7522 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(145, 68, 201)` looks like.

```
.text, #text, p{  
    color:rgb(145, 68, 201)  
}
```

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(145, 68, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 68, 201) }
```

Border

The CSS property to change the border of an element to XYZ 24.2868, 14.3710, 56.7522 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(145, 68, 201) }
```


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

```
.border{ border-color:rgb(145, 68, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 68, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 68, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 68, 201);  
box-shadow:4px 4px 4px 4px rgb(145, 68,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2868, 14.3710, 56.7522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 68, 201) }
```

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

```
.background{ background-color: rgb(145, 68,  
201) }
```

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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