

Converting Colors

XYZ(28.2741, 14.8913, 69.1570)

Have a look what the booklet for
XYZ(28.2741, 14.8913, 69.1570)
contains.

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Color

**XYZ(28.2468, 14.8924,
69.0959)**

Conversions

Conversions Part 1

Format	Color
Hex	9E34DC
RGB	158, 52, 220
RGB Percent	62%, 20%, 86%
CMY	0.3804, 0.7961, 0.1373
CMYK	0.28, 0.76, 0.00, 0.14
HSL	278°, 71%, 53%
HSV	278°, 76%, 86%
XYZ	28.2468, 14.8924, 69.0959
YIQ	102.8460, 9.2480, 74.7200

Conversions

Conversions Part 2

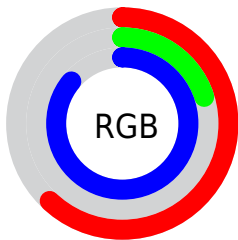
Format	Color
R_{YB}	158, 52, 220
Decimal	10368220
CIE _{Lab}	45.49, 68.64, -65.86
CIE _{LCh}	45, 95.123, 316.185
Yxy	14.8924, 0.2517, 0.1327
Android (android.graphics.Color)	4288558300 (0xFF9E34DC)
YUV	102.8460, 57.7569, 48.3701
Hunter-Lab	38.5907, 63.1211, -79.1442

Details

The XYZ color **28.2468, 14.8924, 69.0959** 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 **33.1527, 55.0120, 12.1202**, and the grayscale version is **12.7031, 13.3646, 14.5541**.

A 20% lighter version of the original color is **52.2412, 33.1236, 98.2478**, and **11.9564, 5.3897, 35.5321** is the 20% darker color. If you saturate the color by 10%, you get **25.9390, 12.5690, 68.7694**, and if you desaturate by 10%, it is **31.1187, 18.1854, 69.5804**.

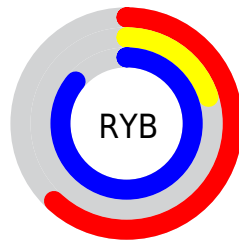
Distribution



Red (62%)

Green (20%)

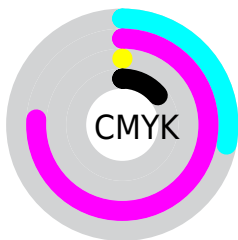
Blue (86%)



Red (62%)

Yellow (20%)

Blue (86%)

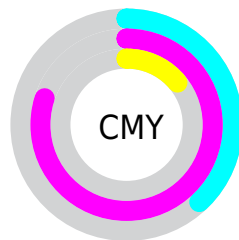


Cyan (28%)

Magenta (76%)

Yellow (0%)

Black (14%)



Cyan (38%)

Magenta (80%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2468, 14.8924, 69.0959 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 28.2468, 14.8924, 69.0959 by changing the saturation by 10% instead.

■ 28.2468, 14.8924,
69.0959

■ 28.2468, 14.8924,
69.0959

285.7031,
222.7140, 476.0722

■ 18.6532, 8.7439,
50.3176

■ 56.2841, 34.6643,
119.5875

■ 11.5225, 4.5745,
35.2928

■ 75.4585, 49.0565,
152.1379

■ 6.4893, 1.9999,
23.6032

■ 98.5573, 66.9654,
190.1161

■ 3.1883, 0.6074,
14.8301

■ 125.9457, 88.7754,
233.9405

■ 1.2541, 0.0000,
8.5549

■ 157.9891,
114.8708, 284.0298

■ 0.1484, 0.0000,
4.3592

195.0529,

■ 0.0000, 0.0000,

145.6362, 340.8025

1.8244

237.5025,
181.4558, 404.6771

■ 0.0000, 0.0000,
0.4440

■ 0.0000, 0.0000,
0.0000

■ 28.2468, 14.8924,
69.0959

■ 28.2468, 14.8924,
69.0959

■ 25.9390, 12.5690,
68.7694

■ 31.1187, 18.1854,
69.5804

■ 24.1202, 11.0711,
68.5761

■ 34.6106, 22.5599,
70.2408

■ 23.5344, 10.6401,
68.5238

■ 38.7735, 28.1138,
71.0934

■ 43.6517, 34.9332,
72.1525

■ 49.2856, 43.0961,
73.4312

■ 55.7123, 52.6741,
74.9412

■ 62.9662, 63.7335,
76.6936

■ 71.0797, 76.3364,
78.6985

■ 80.0833, 90.5415,
80.9659

Harmonies

Analogous

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



18.8424, 14.8924, 104.6346



28.2468, 14.8924, 69.0959



34.7129, 14.8924, 29.0307

Triad

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



28.2468, 14.8924, 69.0959



18.1149, 14.8924, 0.0000



3.9833, 14.8924, 31.6794

Complementary

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



28.2468, 14.8924, 69.0959



33.1527, 55.0120, 12.1202

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.



3.9136, 14.8924, 7.8662



28.2468, 14.8924, 69.0959



10.3172, 14.8924, 0.0000

Square

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



28.2468, 14.8924, 69.0959



27.5459, 14.8924, 0.6841



5.7594, 14.8924, 0.8787



6.0077, 14.8924, 72.5070

Rectangle

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



28.2468, 14.8924, 69.0959



35.3572, 14.8924, 11.9523



5.7594, 14.8924, 0.8787



3.7660, 14.8924, 21.3877

Sweetspot

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



28.2475, 14.8929, 69.0963



71.5896, 64.2415, 103.2344



20.6265, 18.4811, 70.1905



14.6551, 12.7643, 21.9413



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.



28.2475, 14.8929, 69.0963



34.5460, 16.1059, 95.8957



41.2157, 21.8608, 56.9367



13.1243, 13.0222, 16.4739



13.9387, 6.3098, 40.2217



0.9968, 0.4571, 2.6101

Inverse Universe

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



33.7807, 18.8868, 17.7848



44.1499, 22.8356, 15.9842



28.1664, 52.3795, 14.6888



13.2537, 13.1306, 14.5973



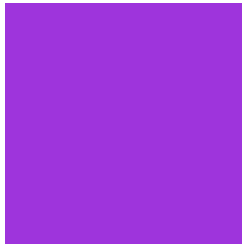
18.2473, 9.3000, 5.6825



1.2229, 0.6188, 0.5828

Previews

White Background



This preview shows how the XYZ color 28.2468, 14.8924, 69.0959 looks on a white background.

Color Contrast Check

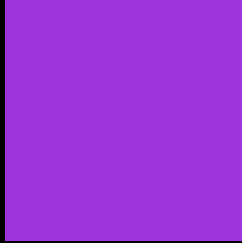
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2468, 14.8924, 69.0959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

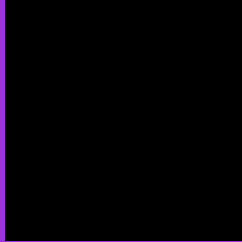
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.2468, 14.8924, 69.0959

Background



This preview shows how black text looks on a background with the XYZ color 28.2468, 14.8924, 69.0959.



This preview shows how white text looks on a background with the XYZ color 28.2468, 14.8924,

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

28.2468, 14.8924, 69.0959

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.0904, 14.9576, 51.9609



Tritanopia

17.1628, 14.7685, 15.0427

Trichromacy



Original Color

28.2468, 14.8924, 69.0959



Protanomaly

17.8541, 12.5342, 69.1885



Deuteranomaly

15.9204, 12.2789, 57.4081



Tritanomaly

19.7340, 13.8324, 28.8239

Monochromacy



Original Color

28.2468, 14.8924, 69.0959



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

16.5270, 12.6269, 28.7603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2468, 14.8924, 69.0959 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(158, 52, 220)` looks like.

```
.text, #text, p{  
    color:rgb(158, 52, 220)  
}
```

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(158, 52, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 52, 220) }
```

Border

The CSS property to change the border of an element to XYZ 28.2468, 14.8924, 69.0959 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(158, 52, 220) }
```


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

```
.border{ border-color:rgb(158, 52, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 52, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 52, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 52, 220);  
box-shadow:4px 4px 4px 4px rgb(158, 52,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2468, 14.8924, 69.0959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 52, 220) }
```

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

```
.background{ background-color: rgb(158, 52,  
220) }
```

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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