

Converting Colors

XYZ(29.6682, 13.4693, 95.6439)

Have a look what the booklet for
XYZ(29.6682, 13.4693, 95.6439)
contains.

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Color

**XYZ(29.7224, 13.4909,
95.6452)**

Conversions

Conversions Part 1

Format	Color
Hex	900FFF
RGB	144, 15, 255
RGB Percent	56%, 6%, 100%
CMY	0.4353, 0.9412, 0.0000
CMYK	0.44, 0.94, 0.00, 0.00
HSL	272°, 100%, 53%
HSV	272°, 94%, 100%
XYZ	29.7224, 13.4909, 95.6452
YIQ	80.9310, -0.1560, 101.9880

Conversions

Conversions Part 2

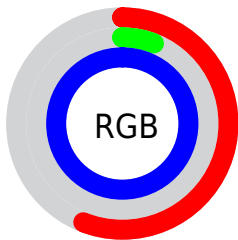
Format	Color
R _Y B	144, 15, 255
Decimal	9441279
CIE Lab	43.49, 82.94, -88.97
CIE LCh	43, 121.631, 312.992
Yxy	13.4909, 0.2140, 0.0972
Android (android.graphics.Color)	4287631359 (0xFF900FFF)
YUV	80.9310, 85.8160, 55.3115
Hunter-Lab	36.7300, 80.1673, -128.6808

Details

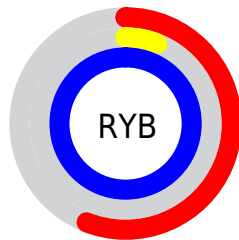
The XYZ color **29.7224, 13.4909, 95.6452** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **44.4488, 75.9893, 12.7764**, and the grayscale version is **7.6440, 8.0421, 8.7578**.

A 20% lighter version of the original color is **47.3545, 27.6302, 97.4450**, and **13.2199, 5.6509, 53.2173** is the 20% darker color. If you saturate the color by 10%, you get **28.3781, 12.5443, 95.5333**, and if you desaturate by 10%, it is **32.4968, 15.8189, 95.9483**.

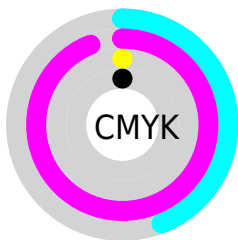
Distribution



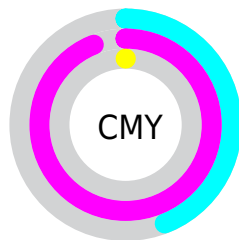
- Red (56%)
- Green (6%)
- Blue (100%)



- Red (56%)
- Yellow (6%)
- Blue (100%)



- Cyan (44%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7224, 13.4909, 95.6452 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 29.7224, 13.4909, 95.6452 by changing the saturation by 10% instead.

 29.7224, 13.4909,
95.6452


 29.7224, 13.4909,
95.6452


292.5414,
214.0403, 567.2655


 19.7750, 7.7674,
72.0722


 58.6125, 32.1829,
157.1589


 12.3389, 3.9465,
52.7305


 78.2860, 45.9203,
195.9367


 7.0488, 1.6437,
37.2014


 101.9322, 63.0978,
240.6199

 3.5392, 0.3868,
25.0665

 129.9164, 84.0997,
291.6271

 1.4449, 0.0000,
15.9071

 162.6041,
109.3105, 349.3766

 0.2879, 0.0000,
9.3048

 200.3606,

 0.0000, 0.0000,

139.1146, 414.2872

4.8410

243.5513,
173.8964, 486.7773

■ 0.0000, 0.0000,
2.0972

■ 0.0000, 0.0000,
0.6141

■ 29.7224, 13.4909,
95.6452

■ 29.7224, 13.4909,
95.6452

■ 28.3781, 12.5443,
95.5333

■ 32.4968, 15.8189,
95.9483

■ 36.0593, 19.3958,
96.4510

■ 40.5127, 24.4165,
97.1853

■ 45.9410, 31.0406,
98.1778

■ 52.4171, 39.4057,
99.4511

■ 60.0063, 49.6343,
101.0255

■ 68.7680, 61.8376,
102.9191

■ 78.7571, 76.1176,
105.1490

■ 90.0247, 92.5694,
107.7306

Harmonies

Analogous

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



17.3777, 13.4909, 147.0942



29.7224, 13.4909, 95.6452



39.3807, 13.4909, 35.8879

Triad

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



29.7224, 13.4909, 95.6452



18.9342, 13.4909, 0.0000



1.9949, 13.4909, 29.8473

Complementary

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



29.7224, 13.4909, 95.6452



44.4488, 75.9893, 12.7764

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.



2.0922, 13.4909, 4.0932



29.7224, 13.4909, 95.6452



9.1425, 13.4909, 0.0000

Square

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



29.7224, 13.4909, 95.6452



31.3340, 13.4909, 0.0000



3.9711, 13.4909, 0.0000



3.5715, 13.4909, 86.8987

Rectangle

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



29.7224, 13.4909, 95.6452



41.0368, 13.4909, 12.1269



3.9711, 13.4909, 0.0000



1.8697, 13.4909, 17.5894

Sweetspot

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



29.7232, 13.4912, 95.6452



65.2255, 56.8614, 102.1453



25.8359, 22.4995, 97.5889



13.1633, 11.0632, 21.6916



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.



29.7232, 13.4912, 95.6452



28.3781, 12.5443, 95.5333



58.1992, 28.3169, 90.3938



17.9357, 17.8586, 22.7517



15.0024, 6.6445, 49.9264



1.5869, 0.7120, 4.8671

Inverse Universe

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



45.1760, 23.1076, 21.8143



44.5058, 22.5663, 19.1276



36.1115, 71.6834, 12.7433



18.3589, 18.1269, 20.5069



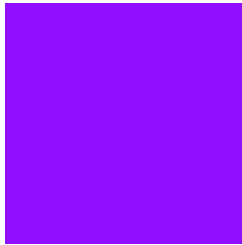
23.3288, 11.8208, 10.3820



2.3259, 1.1727, 1.2977

Previews

White Background



This preview shows how the XYZ color 29.7224, 13.4909, 95.6452 looks on a white background.

Color Contrast Check

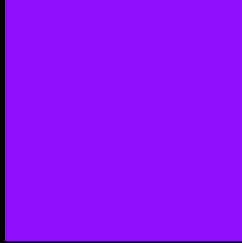
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7224, 13.4909, 95.6452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

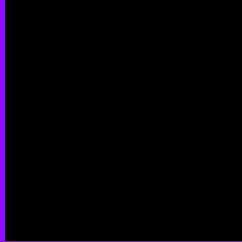
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.7224, 13.4909, 95.6452

Background



This preview shows how black text looks on a background with the XYZ color 29.7224, 13.4909, 95.6452.



This preview shows how white text looks on a background with the XYZ color 29.7224, 13.4909,

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

29.7224, 13.4909, 95.6452

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.3923, 13.6034, 45.0999



Tritanopia

13.6944, 13.5120, 16.0737

Trichromacy



Original Color

29.7224, 13.4909, 95.6452



Protanomaly

17.2718, 10.4773, 73.0635



Deuteranomaly

15.0612, 10.0001, 60.1679



Tritanomaly

16.5872, 10.9670, 34.9608

Monochromacy



Original Color

29.7224, 13.4909, 95.6452



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.2061, 7.8829, 27.2638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7224, 13.4909, 95.6452 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(144, 15, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 15, 255)  
}
```

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(144, 15, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 15, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7224, 13.4909, 95.6452 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(144, 15, 255) }
```


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

```
.border{ border-color:rgb(144, 15, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 15, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 15, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 15, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 15,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7224, 13.4909, 95.6452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 15, 255) }
```

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

```
.background{ background-color: rgb(144, 15,  
255) }
```

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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