

Converting Colors

XYZ(29.6592, 14.4241, 91.5830)

Have a look what the booklet for
XYZ(29.6592, 14.4241, 91.5830)
contains.

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Color

**XYZ(29.6912, 14.4395,
91.6647)**

Conversions

Conversions Part 1

Format	Color
Hex	9128FA
RGB	145, 40, 250
RGB Percent	57%, 16%, 98%
CMY	0.4314, 0.8431, 0.0196
CMYK	0.42, 0.84, 0.00, 0.02
HSL	270°, 95%, 57%
HSV	270°, 84%, 98%
XYZ	29.6912, 14.4395, 91.6647
YIQ	95.3350, -4.8300, 87.5700

Conversions

Conversions Part 2

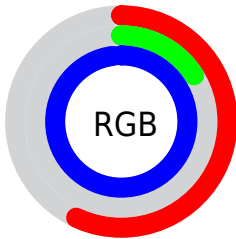
Format	Color
R _{YB}	145, 40, 250
Decimal	9513210
CIE Lab	44.86, 76.95, -83.92
CIE LCh	45, 113.858, 312.517
Yxy	14.4395, 0.2186, 0.1063
Android (android.graphics.Color)	4287703290 (0xFF9128FA)
YUV	95.3350, 76.2498, 43.5562
Hunter-Lab	37.9993, 72.9741, -116.4240

Details

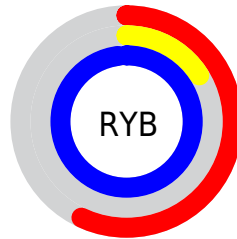
The XYZ color **29.6912, 14.4395, 91.6647** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **46.2450, 74.5440, 13.9586**, and the grayscale version is **10.7819, 11.3434, 12.3530**.

A 20% lighter version of the original color is **48.4358, 29.7928, 97.8055**, and **12.9078, 5.5551, 50.2611** is the 20% darker color. If you saturate the color by 10%, you get **27.0211, 12.1902, 91.3716**, and if you desaturate by 10%, it is **33.1489, 17.9017, 92.1511**.

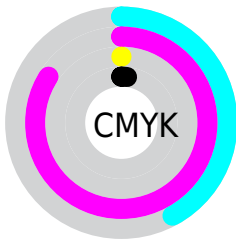
Distribution



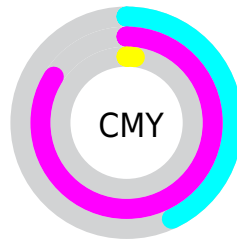
- Red (57%)
- Green (16%)
- Blue (98%)



- Red (57%)
- Yellow (16%)
- Blue (98%)



- Cyan (42%)
- Magenta (84%)
- Yellow (0%)
- Black (2%)





- Cyan (43%)
- Magenta (84%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6912, 14.4395, 91.6647 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 29.6912, 14.4395, 91.6647 by changing the saturation by 10% instead.


 29.6912, 14.4395,
91.6647

 29.6912, 14.4395,
91.6647


292.3981,
219.9481, 554.1405

 19.7512, 8.4270,
68.7807


 58.5635, 33.8668,
151.6042


 12.3215, 4.3694,
50.0625


 78.2265, 48.0505,
189.4969


 7.0368, 1.8822,
35.0915


 101.8612, 65.7266,
233.2294

 3.5317, 0.5377,
23.4493

 129.8330, 87.2795,
283.2205

 1.4408, 0.0000,
14.7172

 162.5073,
113.0938, 339.8886

 0.2850, 0.0000,
8.4767

 200.2493,

 0.0000, 0.0000,

143.5537, 403.6523

4.3094

243.4245,
179.0437, 474.9301

■ 0.0000, 0.0000,
1.7965

■ 0.0000, 0.0000,
0.4257

■ 29.6912, 14.4395,
91.6647

■ 29.6912, 14.4395,
91.6647

■ 27.0211, 12.1902,
91.3716

■ 33.1489, 17.9017,
92.1511

■ 25.7137, 11.2626,
91.2615

■ 37.4899, 22.7609,
92.8602

■ 42.7966, 29.1701,
93.8176

■ 49.1399, 37.2608,
95.0450

■ 56.5832, 47.1503,
96.5615

■ 65.1846, 58.9451,
98.3848

■ 74.9975, 72.7430,
100.5309

■ 86.0720, 88.6351,
103.0147

■ 94.2554, 99.6822,
104.7156

Harmonies

Analogous

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



17.9734, 14.4395, 137.3085



29.6912, 14.4395, 91.6647



38.8009, 14.4395, 36.6553

Triad

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



29.6912, 14.4395, 91.6647



19.8237, 14.4395, 0.0000



2.6264, 14.4395, 29.6285

Complementary

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



29.6912, 14.4395, 91.6647



46.2450, 74.5440, 13.9586

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.



2.7617, 14.4395, 4.8140



29.6912, 14.4395, 91.6647



10.2039, 14.4395, 0.0000

Square

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



29.6912, 14.4395, 91.6647



31.5604, 14.4395, 0.0274



4.8431, 14.4395, 0.0000



4.3167, 14.4395, 81.8784

Rectangle

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



29.6912, 14.4395, 91.6647



40.4395, 14.4395, 13.5796



4.8431, 14.4395, 0.0000



2.4933, 14.4395, 18.0790

Sweetspot

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



29.6921, 14.4399, 91.6651



67.2057, 60.2988, 102.7044



28.2559, 27.6041, 94.2817



13.6868, 11.9436, 21.8339



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.



29.6921, 14.4399, 91.6651



26.8779, 11.7709, 95.4631



57.4387, 28.7438, 92.9636



17.1100, 17.0693, 21.7782



13.8053, 6.0596, 48.4155



1.4008, 0.6242, 4.4898

Inverse Universe

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



45.2938, 23.8859, 29.0095



45.1031, 22.8052, 22.2727



35.4438, 68.9758, 13.4531



17.6066, 17.3700, 19.7839



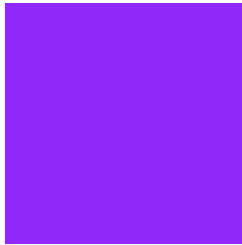
22.9479, 11.5949, 11.6998



2.1789, 1.0953, 1.3653

Previews

White Background



This preview shows how the XYZ color 29.6912, 14.4395, 91.6647 looks on a white background.

Color Contrast Check

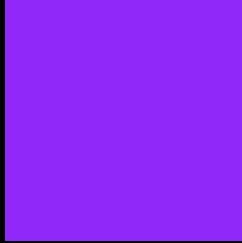
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6912, 14.4395, 91.6647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

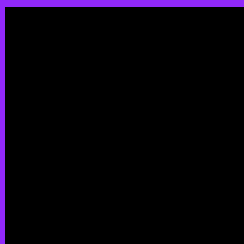
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 29.6912, 14.4395, 91.6647

Background



This preview shows how black text looks on a background with the XYZ color 29.6912, 14.4395, 91.6647.



This preview shows how white text looks on a background with the XYZ color 29.6912, 14.4395,

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

29.6912, 14.4395, 91.6647

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.3316, 14.4824, 48.4944



Tritanopia

14.6589, 14.4256, 17.0507

Trichromacy



Original Color

29.6912, 14.4395, 91.6647



Protanomaly

18.2678, 11.9503, 74.7426



Deuteranomaly

16.1471, 11.7010, 61.7291



Tritanomaly

17.8477, 12.7059, 35.6942

Monochromacy



Original Color

29.6912, 14.4395, 91.6647



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

14.9120, 10.7772, 30.5724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6912, 14.4395, 91.6647 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, 40, 250)` looks like.

```
.text, #text, p{  
    color:rgb(145, 40, 250)  
}
```

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, 40, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 40, 250) }
```

Border

The CSS property to change the border of an element to XYZ 29.6912, 14.4395, 91.6647 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, 40, 250) }
```


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

```
.border{ border-color:rgb(145, 40, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 40, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 40, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 40, 250);  
box-shadow:4px 4px 4px 4px rgb(145, 40,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6912, 14.4395, 91.6647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 40, 250) }
```

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

```
.background{ background-color: rgb(145, 40,  
250) }
```

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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