

Converting Colors

XYZ(28.1524, 14.9707, 90.2149)

Have a look what the booklet for
XYZ(28.1524, 14.9707, 90.2149)
contains.

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Color

**XYZ(28.0749, 14.9146,
90.2060)**

Conversions

Conversions Part 1

Format	Color
Hex	843CF8
RGB	132, 60, 248
RGB Percent	52%, 24%, 97%
CMY	0.4823, 0.7647, 0.0274
CMYK	0.47, 0.76, 0.00, 0.03
HSL	263°, 93%, 60%
HSV	263°, 76%, 97%
XYZ	28.0749, 14.9146, 90.2060
YIQ	102.9600, -17.4360, 73.7320

Conversions

Conversions Part 2

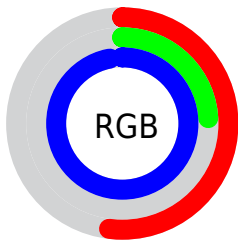
Format	Color
R _Y B	132, 60, 248
Decimal	8666360
CIE Lab	45.52, 67.83, -81.78
CIE LCh	46, 106.246, 309.674
Yxy	14.9146, 0.2108, 0.1120
Android (android.graphics.Color)	4286856440 (0xFF843CF8)
YUV	102.9600, 71.5047, 25.4681
Hunter-Lab	38.6194, 62.1789, -111.4541

Details

The XYZ color **28.0749, 14.9146, 90.2060** 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 **52.2864, 76.6908, 16.3220**, and the grayscale version is **12.7028, 13.3643, 14.5538**.

A 20% lighter version of the original color is **46.1731, 30.8189, 98.1228**, and **11.5410, 4.8760, 49.0481** is the 20% darker color. If you saturate the color by 10%, you get **24.8467, 11.7526, 89.7662**, and if you desaturate by 10%, it is **32.2638, 19.4743, 90.8657**.

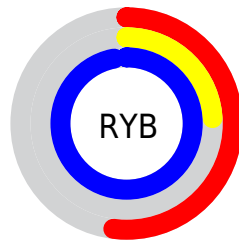
Distribution



Red (52%)

Green (24%)

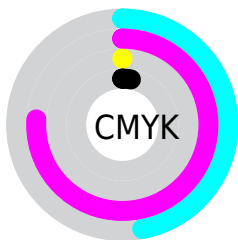
Blue (97%)



Red (52%)

Yellow (24%)

Blue (97%)

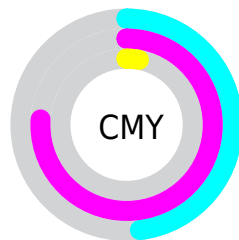


Cyan (47%)

Magenta (76%)

Yellow (0%)

Black (3%)



Cyan (48%)


Magenta (76%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0749, 14.9146, 90.2060 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 28.0749, 14.9146, 90.2060 by changing the saturation by 10% instead.


 28.0749, 14.9146,
90.2060


 28.0749, 14.9146,
90.2060


284.8982,
222.8487, 549.2881


 18.5229, 8.7595,
67.5768


 56.0118, 34.7033,
149.5625


 11.4280, 4.5846,
49.0890


 75.1274, 49.1056,
187.1270

 6.4249, 2.0057,
34.3240


 98.1616, 67.0259,
230.5069

 3.1482, 0.6108,
22.8632

 125.4796, 88.8483,
280.1209

 1.2326, 0.0000,
14.2882

 157.4470,
114.9575, 336.3875

 0.1319, 0.0000,
8.1804

194.4290,

 0.0000, 0.0000,

145.7377, 399.7252

4.1211

236.7909,
181.5733, 470.5525

■ 0.0000, 0.0000,
1.6920

■ 0.0000, 0.0000,
0.3553

■ 28.0749, 14.9146,
90.2060

■ 28.0749, 14.9146,
90.2060

■ 24.8467, 11.7526,
89.7662

■ 32.2638, 19.4743,
90.8657

■ 22.4683, 9.7931,
89.5133

■ 37.5004, 25.5883,
91.7698

■ 21.6612, 9.2095,
89.4432

■ 43.8632, 33.3926,
92.9409

■ 51.4221, 43.0077,
94.3984

60.2406, 54.5426,
96.1600

70.3776, 68.0978,
98.2422

81.8880, 83.7663,
100.6598

93.7292, 99.4469,
103.0624

93.9433, 99.5573,
103.0724

Harmonies

Analogous

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



17.2365, 14.9146, 127.4898



28.0749, 14.9146, 90.2060



36.9110, 14.9146, 39.7740

Triad

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



28.0749, 14.9146, 90.2060



20.9571, 14.9146, 0.0000



3.1393, 14.9146, 25.8982

Complementary

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



28.0749, 14.9146, 90.2060



52.2864, 76.6908, 16.3220

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.



3.4487, 14.9146, 4.5019



28.0749, 14.9146, 90.2060



11.5009, 14.9146, 0.0000

Square

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



28.0749, 14.9146, 90.2060



31.7524, 14.9146, 0.7444



5.8426, 14.9146, 0.0000



4.6893, 14.9146, 71.5680

Rectangle

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



28.0749, 14.9146, 90.2060



38.9554, 14.9146, 16.5187



5.8426, 14.9146, 0.0000



3.0516, 14.9146, 15.9634

Sweetspot

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



28.0758, 14.9150, 90.2064



67.0263, 61.8891, 103.0209



34.9403, 40.0050, 94.6875



13.5547, 12.1971, 21.8898



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.



28.0758, 14.9150, 90.2064



25.0155, 11.2642, 95.4635



48.9702, 25.6865, 91.1842



16.9115, 16.9670, 21.7689



11.8457, 5.0494, 48.3238



1.2112, 0.5265, 4.4810

Inverse Universe

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



48.1633, 26.3226, 43.6138



48.4396, 24.6285, 38.3363



38.1355, 69.3957, 15.6597



17.6948, 17.4053, 20.2486



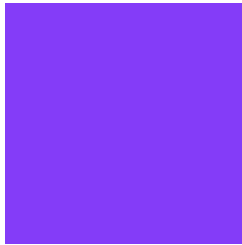
24.0892, 12.0514, 17.7099



2.2828, 1.1369, 1.9126

Previews

White Background



This preview shows how the XYZ color 28.0749, 14.9146, 90.2060 looks on a white background.

Color Contrast Check

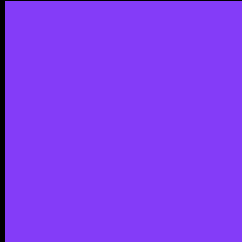
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0749, 14.9146, 90.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

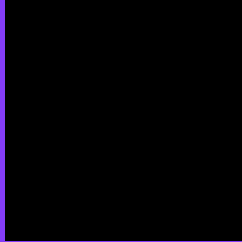
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.0749, 14.9146, 90.2060

Background



This preview shows how black text looks on a background with the XYZ color 28.0749, 14.9146, 90.2060.



This preview shows how white text looks on a background with the XYZ color 28.0749, 14.9146,

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

28.0749, 14.9146, 90.2060

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

14.6530, 14.7827, 49.6580



Tritanopia

13.7165, 14.8183, 18.9669

Trichromacy



Original Color

28.0749, 14.9146, 90.2060



Protanomaly

18.9916, 13.3210, 76.4332



Deuteranomaly

16.6789, 12.9358, 62.5906



Tritanomaly

16.9630, 13.5138, 37.3117

Monochromacy



Original Color

28.0749, 14.9146, 90.2060



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

16.3484, 12.7941, 33.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0749, 14.9146, 90.2060 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(132, 60, 248)` looks like.

```
.text, #text, p{  
    color:rgb(132, 60, 248)  
}
```

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(132, 60, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 60, 248) }
```

Border

The CSS property to change the border of an element to XYZ 28.0749, 14.9146, 90.2060 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(132, 60, 248) }
```


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

```
.border{ border-color:rgb(132, 60, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 60, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 60, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 60, 248);  
box-shadow:4px 4px 4px 4px rgb(132, 60,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0749, 14.9146, 90.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 60, 248) }
```

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

```
.background{ background-color: rgb(132, 60,  
248) }
```

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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