

Converting Colors

XYZ(26.6794, 12.3693, 84.9941)

Have a look what the booklet for
XYZ(26.6794, 12.3693, 84.9941)
contains.

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Color

**XYZ(26.6499, 12.3420,
84.9820)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8917F2 |
| RGB | 137, 23, 242 |
| RGB Percent | 54%, 9%, 95% |
| CMY | 0.4627, 0.9098, 0.0510 |
| CMYK | 0.43, 0.90, 0.00, 0.05 |
| HSL | 271°, 89%, 52% |
| HSV | 271°, 90%, 95% |
| XYZ | 26.6499, 12.3420, 84.9820 |
| YIQ | 82.0520, -2.3550, 92.2770 |

Conversions

Conversions Part 2

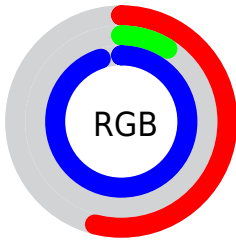
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 137, 23, 242 |
| Decimal | 8984562 |
| CIE _{Lab} | 41.75, 78.31, -84.56 |
| CIE _{LCh} | 42, 115.258, 312.803 |
| Yxy | 12.3420, 0.2150, 0.0996 |
| Android (android.graphics.Color) | 4287174642 (0xFF8917F2) |
| YUV | 82.0520, 78.8544, 48.1894 |
| Hunter-Lab | 35.1312, 73.9274, -118.8301 |

Details

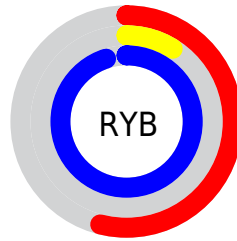
The XYZ color **26.6499, 12.3420, 84.9820** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **40.8083, 68.1552, 11.8150**, and the grayscale version is **7.8786, 8.2889, 9.0266**.

A 20% lighter version of the original color is **45.2594, 26.6744, 97.3710**, and **11.3242, 4.8384, 45.6845** is the 20% darker color. If you saturate the color by 10%, you get **24.6279, 10.8447, 84.7999**, and if you desaturate by 10%, it is **29.3743, 14.8125, 85.3156**.

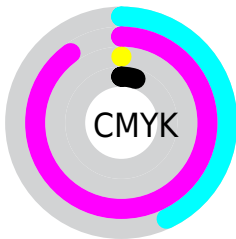
Distribution



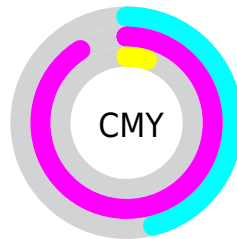
- Red (54%)
- Green (9%)
- Blue (95%)



- Red (54%)
- Yellow (9%)
- Blue (95%)



- Cyan (43%)
- Magenta (90%)
- Yellow (0%)
- Black (5%)





- Cyan (46%)
- Magenta (91%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6499, 12.3420, 84.9820 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 26.6499, 12.3420, 84.9820 by changing the saturation by 10% instead.

 26.6499, 12.3420,
84.9820

 26.6499, 12.3420,
84.9820

278.1565,
206.6565, 531.7115


 17.4457, 6.9770,
63.2764


 53.7454, 30.1165,
142.2220

 10.6500, 3.4477,
45.6225


 72.3674, 43.2948,
178.5935


 5.8976, 1.3697,
31.6015


 94.8594, 59.8463,
220.6907

 2.8230, 0.1942,
20.7950

 121.5868, 80.1555,
268.9322

 1.0608, 0.0000,
12.7844

 152.9148,
104.6067, 323.7364

 0.0000, 0.0000,
7.1513

 189.2089,

 0.0000, 0.0000,

133.5843, 385.5221

3.4770

230.8343,
167.4728, 454.7076

■ 0.0000, 0.0000,
1.3431

■ 0.0000, 0.0000,
0.0967

■ 26.6499, 12.3420,
84.9820

■ 26.6499, 12.3420,
84.9820

■ 24.6279, 10.8447,
84.7999

■ 29.3743, 14.8125,
85.3156

■ 32.8448, 18.4634,
85.8374

■ 37.1453, 23.4530,
86.5738

■ 42.3464, 29.9137,
87.5467

■ 48.5100, 37.9615,
88.7752

■ 55.6921, 47.7003,
90.2765

■ 63.9440, 59.2253,
92.0661

■ 73.3131, 72.6241,
94.1585

■ 83.8440, 87.9786,
96.5672

Harmonies

Analogous

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



15.7243, 12.3420, 129.6257



26.6499, 12.3420, 84.9820



35.1952, 12.3420, 32.4955

Triad

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



26.6499, 12.3420, 84.9820



17.2377, 12.3420, 0.0000



1.9360, 12.3420, 26.6576

Complementary

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



26.6499, 12.3420, 84.9820



40.8083, 68.1552, 11.8150

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.



2.0349, 12.3420, 3.8245



26.6499, 12.3420, 84.9820



8.4779, 12.3420, 0.0000

Square

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



26.6499, 12.3420, 84.9820



28.2061, 12.3420, 0.0000



3.7772, 12.3420, 0.0000



3.3772, 12.3420, 76.6192

Rectangle

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



26.6499, 12.3420, 84.9820



36.6907, 12.3420, 11.2834



3.7772, 12.3420, 0.0000



1.8223, 12.3420, 15.8515

Sweetspot

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



26.6507, 12.3423, 84.9823



65.7620, 57.9292, 102.3232



24.2109, 22.2540, 87.0241



13.4243, 11.4976, 21.7617



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.



26.6507, 12.3423, 84.9823



27.6826, 12.1858, 95.5008



52.4086, 25.6837, 83.3543



15.6824, 15.6335, 19.9126



13.3892, 5.9078, 45.5625



1.2287, 0.5507, 3.7957

Inverse Universe

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



40.8205, 21.0485, 22.3319



44.7687, 22.6715, 20.5119



32.2994, 63.7641, 11.6211



16.0884, 15.8851, 18.0219



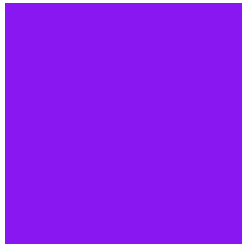
21.4339, 10.8460, 10.2015



1.8331, 0.9223, 1.1120

Previews

White Background



This preview shows how the XYZ color 26.6499, 12.3420, 84.9820 looks on a white background.

Color Contrast Check

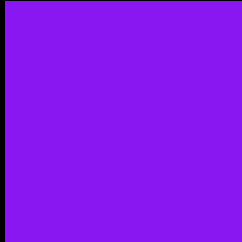
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6499, 12.3420, 84.9820 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 26.6499, 12.3420, 84.9820

Background



This preview shows how black text looks on a background with the XYZ color 26.6499, 12.3420, 84.9820.



This preview shows how white text looks on a background with the XYZ color 26.6499, 12.3420,

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

26.6499, 12.3420, 84.9820

Protanopia

14.7255, 12.5828, 56.9109

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

12.5073, 12.3685, 14.8249

Trichromacy



Original Color

26.6499, 12.3420, 84.9820



Protanomaly

15.8382, 9.8922, 66.0404



Deuteranomaly

13.8910, 9.5204, 54.5316



Tritanomaly

15.2970, 10.3712, 31.7675

Monochromacy



Original Color

26.6499, 12.3420, 84.9820



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

11.8819, 8.0557, 25.7396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6499, 12.3420, 84.9820 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(137, 23, 242)` looks like.

```
.text, #text, p{  
    color:rgb(137, 23, 242)  
}
```

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(137, 23, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 23, 242) }
```

Border

The CSS property to change the border of an element to XYZ 26.6499, 12.3420, 84.9820 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(137, 23, 242) }
```


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

```
.border{ border-color:rgb(137, 23, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 23, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 23, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 23, 242);  
box-shadow:4px 4px 4px 4px rgb(137, 23,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6499, 12.3420, 84.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 23, 242) }
```

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

```
.background{ background-color: rgb(137, 23,  
242) }
```

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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