

Converting Colors

XYZ(27.0491, 12.0885, 85.1091)

Have a look what the booklet for
XYZ(27.0491, 12.0885, 85.1091)
contains.

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Color

**XYZ(27.0115, 12.0735,
84.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	8D00F2
RGB	141, 0, 242
RGB Percent	55%, 0%, 95%
CMY	0.4470, 1.0000, 0.0510
CMYK	0.42, 1.00, 0.00, 0.05
HSL	275°, 100%, 47%
HSV	275°, 100%, 95%
XYZ	27.0115, 12.0735, 84.9112
YIQ	69.7470, 6.3540, 105.1540

Conversions

Conversions Part 2

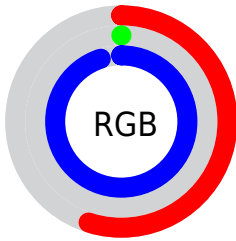
Format	Color
R_{YB}	141, 0, 242
Decimal	9240818
CIE _{Lab}	41.33, 81.61, -85.24
CIE _{LCh}	41, 118.007, 313.752
Yxy	12.0735, 0.2178, 0.0974
Android (android.graphics.Color)	4287430898 (0xFF8D00F2)
YUV	69.7470, 84.9207, 62.4889
Hunter-Lab	34.7469, 77.9548, -120.5643

Details

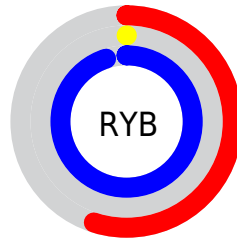
The XYZ color **27.0115, 12.0735, 84.9112** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **37.1187, 66.2710, 10.8352**, and the grayscale version is **5.6437, 5.9376, 6.4661**.

A 20% lighter version of the original color is **45.8489, 26.2572, 97.2594**, and **11.6322, 4.9972, 45.6989** is the 20% darker color. If you saturate the color by 10%, you get **27.0123, 12.0739, 84.9115**, and if you desaturate by 10%, it is **29.1397, 13.6616, 85.1059**.

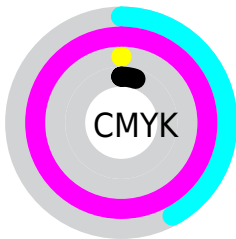
Distribution



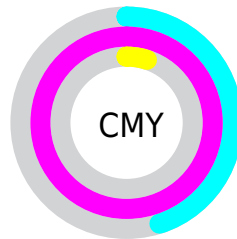
- Red (55%)
- Green (0%)
- Blue (95%)



- Red (55%)
- Yellow (0%)
- Blue (95%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (45%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0115, 12.0735, 84.9112 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 27.0115, 12.0735, 84.9112 by changing the saturation by 10% instead.

 27.0115, 12.0735,
84.9112


 27.0115, 12.0735,
84.9112


279.8793,
204.8913, 531.4711


 17.7185, 6.7938,
63.2183


 54.3221, 29.6289,
142.1222

 10.8465, 3.3335,
45.5757


 73.0704, 42.6733,
178.4773


 6.0303, 1.3082,
31.5649


 95.7011, 59.0748,
220.5569

 2.9043, 0.1475,
20.7673

 122.5797, 79.2177,
268.7795

 1.1034, 0.0000,
12.7644

 154.0714,
103.4864, 323.5637

 0.0279, 0.0000,
7.1377

 190.5417,

 0.0000, 0.0000,

132.2653, 385.3280

3.4686

232.3559,
165.9388, 454.4910

■ 0.0000, 0.0000,
1.3386

■ 0.0000, 0.0000,
0.0931

■ 27.0115, 12.0735,
84.9112

■ 27.0115, 12.0735,
84.9112

■ 27.0123, 12.0739,
84.9115

■ 29.1397, 13.6616,
85.1059

■ 31.8395, 16.1558,
85.4450

■ 35.2441, 19.8156,
85.9720

■ 39.4340, 24.7959,
86.7124

■ 44.4769, 31.2272,
87.6880

■ 50.4327, 39.2240,
88.9177

■ 57.3551, 48.8887,
90.4183

■ 65.2934, 60.3150,
92.2054

■ 74.2933, 73.5894,
94.2932

Harmonies

Analogous

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



15.8440, 12.0735, 132.4050



27.0115, 12.0735, 84.9112



35.5998, 12.0735, 31.2089

Triad

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



27.0115, 12.0735, 84.9112



16.7170, 12.0735, 0.0000



1.7688, 12.0735, 27.8151

Complementary

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



27.0115, 12.0735, 84.9112



37.1187, 66.2710, 10.8352

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.



1.8226, 12.0735, 3.8831



27.0115, 12.0735, 84.9112



7.9943, 12.0735, 0.0000

Square

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



27.0115, 12.0735, 84.9112



27.9173, 12.0735, 0.0000



3.4479, 12.0735, 0.0000



3.2257, 12.0735, 79.9810

Rectangle

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



27.0115, 12.0735, 84.9112



36.9379, 12.0735, 10.2994



3.4479, 12.0735, 0.0000



1.6464, 12.0735, 16.4740

Sweetspot

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



27.0123, 12.0739, 84.9115



64.5242, 54.9598, 101.8153



21.0651, 16.4869, 86.0768



13.0769, 10.7296, 21.6317



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.



27.0123, 12.0739, 84.9115



30.3677, 13.5700, 95.6265



50.3273, 24.3610, 73.9055



15.7797, 15.6836, 19.9172



14.6704, 6.5683, 45.6225



1.3335, 0.6047, 3.8007

Inverse Universe

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



38.9669, 19.8168, 14.0822



43.8635, 22.3094, 15.7451



31.8468, 63.5423, 11.0819



16.0464, 15.8683, 17.8006



20.9978, 10.6715, 7.9048



1.7953, 0.9072, 0.9129

Previews

White Background



This preview shows how the XYZ color 27.0115, 12.0735, 84.9112 looks on a white background.

Color Contrast Check

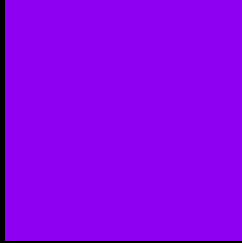
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0115, 12.0735, 84.9112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

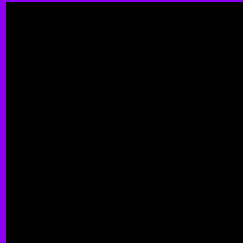
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0115, 12.0735, 84.9112

Background



This preview shows how black text looks on a background with the XYZ color 27.0115, 12.0735, 84.9112.



This preview shows how white text looks on a background with the XYZ color 27.0115, 12.0735,

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

27.0115, 12.0735, 84.9112

Protanopia

14.7255, 12.5828, 56.9109

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

12.8314, 12.2797, 14.2643

Trichromacy



Original Color

27.0115, 12.0735, 84.9112



Protanomaly

15.4287, 8.9992, 65.8896



Deuteranomaly

13.4486, 8.5616, 54.3698



Tritanomaly

15.2508, 9.5966, 31.1855

Monochromacy



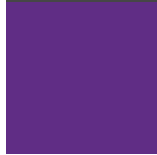
Original Color

27.0115, 12.0735, 84.9112



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

9.9959, 6.0570, 22.8326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0115, 12.0735, 84.9112 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(141, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 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(141, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 27.0115, 12.0735, 84.9112 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(141, 0, 242) }
```


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

```
.border{ border-color:rgb(141, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(141, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0115, 12.0735, 84.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 242) }
```

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

```
.background{ background-color: rgb(141, 0,  
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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