

Converting Colors

XYZ(27.9264, 12.8360, 71.8115)

Have a look what the booklet for
XYZ(27.9264, 12.8360, 71.8115)
contains.

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Color

**XYZ(27.9518, 12.8554,
71.5291)**

Conversions

Conversions Part 1

Format	Color
Hex	A000E0
RGB	160, 0, 224
RGB Percent	63%, 0%, 88%
CMY	0.3725, 1.0000, 0.1216
CMYK	0.29, 1.00, 0.00, 0.12
HSL	283°, 100%, 44%
HSV	283°, 100%, 88%
XYZ	27.9518, 12.8554, 71.5291
YIQ	73.3760, 23.4560, 103.5840

Conversions

Conversions Part 2

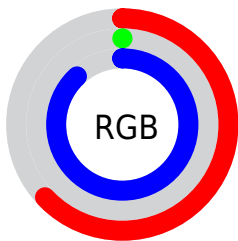
Format	Color
RYB	160, 0, 224
Decimal	10485984
CIELab	42.54, 80.15, -72.92
CIELCh	43, 108.363, 317.705
Yxy	12.8554, 0.2488, 0.1144
Android (android.graphics.Color)	4288676064 (0xFFA000E0)
YUV	73.3760, 74.2576, 75.9692
Hunter-Lab	35.8544, 76.4118, -93.1847

Details

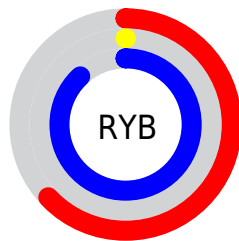
The XYZ color **27.9518, 12.8554, 71.5291** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **28.7702, 54.4015, 8.9843**, and the grayscale version is **6.2707, 6.5972, 7.1844**.

A 20% lighter version of the original color is **50.8930, 29.0912, 97.5406**, and **12.2306, 5.4993, 36.9761** is the 20% darker color. If you saturate the color by 10%, you get **27.9522, 12.8556, 71.5294**, and if you desaturate by 10%, it is **29.5598, 14.1218, 71.6891**.

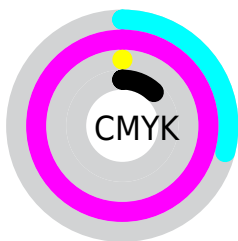
Distribution



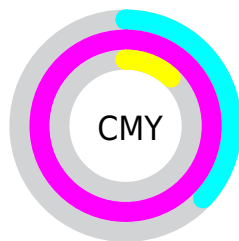
- Red (63%)
- Green (0%)
- Blue (88%)



- Red (63%)
- Yellow (0%)
- Blue (88%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (37%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9518, 12.8554, 71.5291 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 27.9518, 12.8554, 71.5291 by changing the saturation by 10% instead.

■ 27.9518, 12.8554,
71.5291

■ 27.9518, 12.8554,
71.5291

■ 284.3208,
209.9889, 484.8343

■ 18.4296, 7.3290,
52.2896

■ 55.8167, 31.0438,
123.0883

■ 11.3604, 3.6687,
36.8521

■ 74.8900, 44.4746,
156.2451

■ 6.3789, 1.4900,
24.7981

■ 97.8778, 61.3090,
194.8780

■ 3.1196, 0.2817,
15.7091

■ 125.1454, 81.9314,
239.4057

■ 1.2173, 0.0000,
9.1664

■ 157.0582,
106.7262, 290.2466

■ 0.1200, 0.0000,
4.7516

■ 193.9814,

■ 0.0000, 0.0000,

136.0777, 347.8193

2.0461

236.2805,
170.3705, 412.5424

■ 0.0000, 0.0000,
0.5834

■ 0.0000, 0.0000,
0.0000

■ 27.9518, 12.8554,
71.5291

■ 27.9518, 12.8554,
71.5291

■ 27.9522, 12.8556,
71.5294

■ 29.5598, 14.1218,
71.6891

■ 31.5755, 16.1055,
71.9657

■ 34.1112, 19.0283,
72.3962

■ 37.2307, 23.0169,
73.0017

■ 40.9880, 28.1779,
73.7998

■ 45.4305, 34.6044,
74.8061

■ 50.6007, 42.3805,
76.0346

■ 56.5375, 51.5826,
77.4978

■ 63.2768, 62.2815,
79.2077

Harmonies

Analogous

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



17.6580, 12.8554, 115.8353



27.9518, 12.8554, 71.5291



34.9538, 12.8554, 25.9592

Triad

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



27.9518, 12.8554, 71.5291



15.8866, 12.8554, 0.0000



2.5212, 12.8554, 32.6697

Complementary

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



27.9518, 12.8554, 71.5291



28.7702, 54.4015, 8.9843

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.



2.3893, 12.8554, 6.4249



27.9518, 12.8554, 71.5291



8.0296, 12.8554, 0.0000

Square

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



27.9518, 12.8554, 71.5291



26.1674, 12.8554, 0.0000



3.8822, 12.8554, 0.0300



4.3921, 12.8554, 80.8309

Rectangle

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



27.9518, 12.8554, 71.5291



35.3968, 12.8554, 8.7817



3.8822, 12.8554, 0.0300



2.3163, 12.8554, 20.9528

Sweetspot

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



27.9525, 12.8558, 71.5294



67.7212, 56.6079, 101.9649



15.4739, 9.4203, 71.5240



13.8404, 11.1232, 21.6675



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.



27.9525, 12.8558, 71.5294



37.3757, 17.1828, 95.9544



38.8977, 19.1102, 44.3930



13.8935, 13.7286, 17.3053



16.3886, 7.5440, 41.6407



1.2227, 0.5676, 2.8904

Inverse Universe

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



31.6661, 16.2176, 6.3119



42.4378, 21.7391, 8.2375



27.1257, 53.4995, 11.3596



13.8674, 13.7646, 15.0721



18.4748, 9.4569, 3.8999



1.3185, 0.6707, 0.4698

Previews

White Background



This preview shows how the XYZ color 27.9518, 12.8554, 71.5291 looks on a white background.

Color Contrast Check

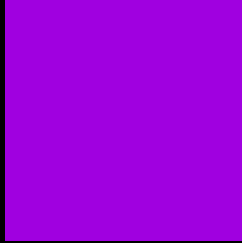
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9518, 12.8554, 71.5291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

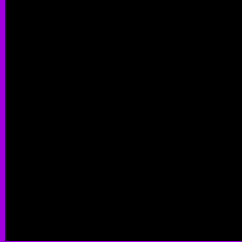
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.9518, 12.8554, 71.5291

Background



This preview shows how black text looks on a background with the XYZ color 27.9518, 12.8554, 71.5291.



This preview shows how white text looks on a background with the XYZ color 27.9518, 12.8554,

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

27.9518, 12.8554, 71.5291

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.3921, 13.4393, 45.6043



Tritanopia

15.9913, 13.1909, 12.2929

Trichromacy



Original Color

27.9518, 12.8554, 71.5291



Protanomaly

15.6600, 9.3096, 64.5899



Deuteranomaly

13.8301, 8.9451, 53.8210



Tritanomaly

18.0760, 10.8624, 26.3433

Monochromacy



Original Color

27.9518, 12.8554, 71.5291



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.6990, 6.5158, 21.1158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9518, 12.8554, 71.5291 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(160, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 224)  
}
```

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(160, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 27.9518, 12.8554, 71.5291 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(160, 0, 224) }
```


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

```
.border{ border-color:rgb(160, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9518, 12.8554, 71.5291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 224) }
```

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

```
.background{ background-color: rgb(160, 0,  
224) }
```

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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