

Converting Colors

XYZ(29.4307, 13.9315, 71.9436)

Have a look what the booklet for
XYZ(29.4307, 13.9315, 71.9436)
contains.

XYZ(29.3967, 13.9214, 71.6587)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3967, 13.9214,
71.6587)**

Conversions

Conversions Part 1

Format	Color
Hex	A612E0
RGB	166, 18, 224
RGB Percent	65%, 7%, 88%
CMY	0.3490, 0.9294, 0.1216
CMYK	0.26, 0.92, 0.00, 0.12
HSL	283°, 85%, 47%
HSV	283°, 92%, 88%
XYZ	29.3967, 13.9214, 71.6587
YIQ	85.7360, 22.0820, 95.4420

Conversions

Conversions Part 2

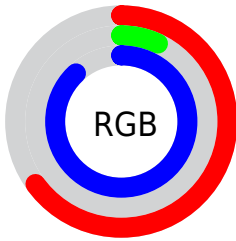
Format	Color
RYB	166, 18, 224
Decimal	10883808
CIELab	44.12, 79.00, -70.31
CIELCh	44, 105.756, 318.329
Yxy	13.9214, 0.2557, 0.1211
Android (android.graphics.Color)	4289073888 (0xFFA612E0)
YUV	85.7360, 68.1642, 70.3915
Hunter-Lab	37.3114, 75.3407, -87.7519

Details

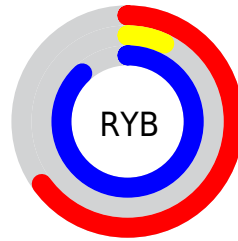
The XYZ color **29.3967, 13.9214, 71.6587** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **29.7457, 54.8918, 9.5999**, and the grayscale version is **8.6479, 9.0983, 9.9080**.

A 20% lighter version of the original color is **53.2412, 31.0430, 97.7935**, and **13.0385, 5.9158, 37.0139** is the 20% darker color. If you saturate the color by 10%, you get **28.1391, 12.9520, 71.5381**, and if you desaturate by 10%, it is **31.3084, 15.7326, 71.9078**.

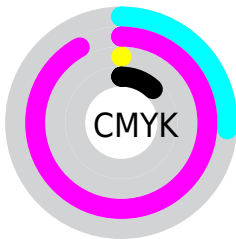
Distribution



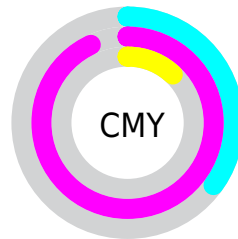
- Red (65%)
- Green (7%)
- Blue (88%)



- Red (65%)
- Yellow (7%)
- Blue (88%)



- Cyan (26%)
- Magenta (92%)
- Yellow (0%)
- Black (12%)





- Cyan (35%)
- Magenta (93%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3967, 13.9214, 71.6587 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 29.3967, 13.9214, 71.6587 by changing the saturation by 10% instead.

 29.3967, 13.9214,
71.6587

 29.3967, 13.9214,
71.6587


291.0427,
216.7413, 485.2984

 19.5269, 8.0660,
52.3948


 58.1000, 32.9495,
123.2744

 12.1579, 4.1372,
36.9354


 77.6642, 46.8910,
156.4632


 6.9243, 1.7506,
24.8621


 101.1906, 64.2967,
195.1308

 3.4607, 0.4561,
15.7563

 129.0445, 85.5509,
239.6956

 1.4018, 0.0000,
9.1994

 161.5913,
111.0381, 290.5762

 0.2575, 0.0000,
4.7729

 199.1964,

 0.0000, 0.0000,

141.1426, 348.1912

2.0582

242.2250,
176.2489, 412.9591

■ 0.0000, 0.0000,
0.5907

■ 0.0000, 0.0000,
0.0000

■ 29.3967, 13.9214,
71.6587

■ 29.3967, 13.9214,
71.6587

■ 28.1391, 12.9520,
71.5381

■ 31.3084, 15.7326,
71.9078

■ 33.7231, 18.4534,
72.3057

■ 36.7083, 22.2160,
72.8746

■ 40.3193, 27.1301,
73.6328

■ 44.6046, 33.2915,
74.5962

■ 49.6076, 40.7854,
75.7790

■ 55.3678, 49.6899,
77.1942

■ 61.9215, 60.0764,
78.8535

■ 69.3029, 72.0120,
80.7683

Harmonies

Analogous

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



19.0082, 13.9214, 115.6245



29.3967, 13.9214, 71.6587



36.2825, 13.9214, 26.6136

Triad

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



29.3967, 13.9214, 71.6587



16.7869, 13.9214, 0.0000



3.0419, 13.9214, 34.9303

Complementary

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



29.3967, 13.9214, 71.6587



29.7457, 54.8918, 9.5999

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.



2.8628, 13.9214, 7.5765



29.3967, 13.9214, 71.6587



8.7632, 13.9214, 0.0000

Square

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



29.3967, 13.9214, 71.6587



27.1891, 13.9214, 0.0000



4.4449, 13.9214, 0.4025



5.1194, 13.9214, 82.9363

Rectangle

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



29.3967, 13.9214, 71.6587



36.6048, 13.9214, 9.3815



4.4449, 13.9214, 0.4025



2.8041, 13.9214, 22.9212

Sweetspot

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



29.3974, 13.9219, 71.6590



69.3346, 58.9797, 102.3376



16.3142, 10.7306, 71.7326



14.1545, 11.5742, 21.7380



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.



29.3974, 13.9219, 71.6590



37.6272, 17.3124, 95.9662



39.1309, 19.5497, 44.5543



13.8992, 13.7316, 17.3056



16.4965, 7.5996, 41.6458



1.2295, 0.5711, 2.8907

Inverse Universe

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



32.2616, 16.8020, 8.3808



42.4030, 21.7252, 8.0544



27.7924, 53.7950, 13.5684



13.8651, 13.7637, 15.0596



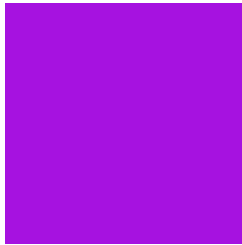
18.4590, 9.4506, 3.8169



1.3171, 0.6701, 0.4627

Previews

White Background



This preview shows how the XYZ color 29.3967, 13.9214, 71.6587 looks on a white background.

Color Contrast Check

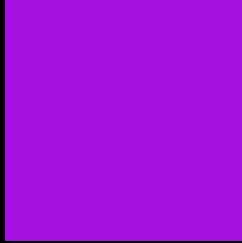
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3967, 13.9214, 71.6587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

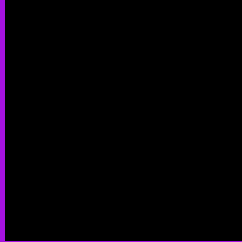
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.3967, 13.9214, 71.6587

Background



This preview shows how black text looks on a background with the XYZ color 29.3967, 13.9214, 71.6587.



This preview shows how white text looks on a background with the XYZ color 29.3967, 13.9214,

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

29.3967, 13.9214, 71.6587

Protanopia

16.8890, 14.3578, 65.4995

Deuteranopia

14.3322, 14.3130, 49.0210



Tritanopia

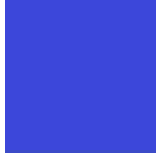
17.4920, 14.0820, 12.6226

Trichromacy



Original Color

29.3967, 13.9214, 71.6587



Protanomaly

16.7716, 10.5291, 67.4780



Deuteranomaly

14.8049, 10.1629, 55.8249



Tritanomaly

19.7969, 12.2803, 26.9181

Monochromacy



Original Color

29.3967, 13.9214, 71.6587



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

13.1829, 8.7599, 24.2886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3967, 13.9214, 71.6587 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(166, 18, 224)` looks like.

```
.text, #text, p{  
    color:rgb(166, 18, 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(166, 18, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 18, 224) }
```

Border

The CSS property to change the border of an element to XYZ 29.3967, 13.9214, 71.6587 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(166, 18, 224) }
```


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

```
.border{ border-color:rgb(166, 18, 224) }
```

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

Here you see how a box with a 4 pixel rgb(166, 18, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 18, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 18, 224);  
box-shadow:4px 4px 4px 4px rgb(166, 18,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3967, 13.9214, 71.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 18, 224) }
```

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

```
.background{ background-color: rgb(166, 18,  
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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