

Converting Colors

XYZ(27.2963, 13.8291, 64.9826)

Have a look what the booklet for
XYZ(27.2963, 13.8291, 64.9826)
contains.

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Color

**XYZ(27.2286, 13.8118,
64.8492)**

Conversions

Conversions Part 1

Format	Color
Hex	9F29D6
RGB	159, 41, 214
RGB Percent	62%, 16%, 84%
CMY	0.3765, 0.8392, 0.1608
CMYK	0.26, 0.81, 0.00, 0.16
HSL	281°, 68%, 50%
HSV	281°, 81%, 84%
XYZ	27.2286, 13.8118, 64.8492
YIQ	96.0040, 14.7950, 78.8190

Conversions

Conversions Part 2

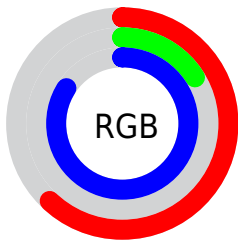
Format	Color
R_{YB}	159, 41, 214
Decimal	10430934
CIE _{Lab}	43.96, 71.15, -64.89
CIE _{LCh}	44, 96.298, 317.636
Yxy	13.8118, 0.2571, 0.1304
Android (android.graphics.Color)	4288621014 (0xFF9F29D6)
YUV	96.0040, 58.1720, 55.2475
Hunter-Lab	37.1642, 65.7417, -77.4423

Details

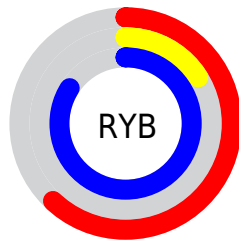
The XYZ color **27.2286, 13.8118, 64.8492** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **29.2709, 50.7403, 10.3492**, and the grayscale version is **10.9809, 11.5527, 12.5809**.

A 20% lighter version of the original color is **51.7148, 31.6282, 97.9869**, and **11.5384, 5.2353, 32.7501** is the 20% darker color. If you saturate the color by 10%, you get **25.3671, 12.0361, 64.6048**, and if you desaturate by 10%, it is **29.5675, 16.4303, 65.2316**.

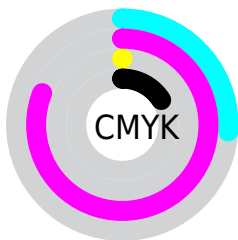
Distribution



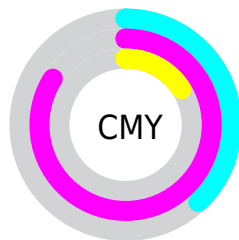
- Red (62%)
- Green (16%)
- Blue (84%)



- Red (62%)
- Yellow (16%)
- Blue (84%)



- Cyan (26%)
- Magenta (81%)
- Yellow (0%)
- Black (16%)





- Cyan (38%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2286, 13.8118, 64.8492 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 27.2286, 13.8118, 64.8492 by changing the saturation by 10% instead.

 27.2286, 13.8118,
64.8492


 27.2286, 13.8118,
64.8492


280.9097,
216.0569, 460.5412


 17.8825, 7.9899,
46.8882


 54.6678, 32.7547,
113.4442


 10.9648, 4.0885,
32.5936


 73.4915, 46.6445,
144.9154


 6.1103, 1.7232,
21.5467


 96.2052, 63.9924,
181.7270

 2.9536, 0.4386,
13.3291

 123.1741, 85.1828,
224.2977

 1.1293, 0.0000,
7.5222

 154.7637,
110.6000, 273.0459

 0.0494, 0.0000,
3.7074

 191.3392,

 0.0000, 0.0000,

140.6285, 328.3902

1.4662

233.2661,
175.6526, 390.7491

■ 0.0000, 0.0000,
0.1926

■ 0.0000, 0.0000,
0.0000

■ 27.2286, 13.8118,
64.8492

■ 27.2286, 13.8118,
64.8492

■ 25.3671, 12.0361,
64.6048

■ 29.5675, 16.4303,
65.2316

■ 23.9860, 10.9631,
64.4705

■ 32.4400, 20.0049,
65.7702

■ 35.8958, 24.6325,
66.4813

■ 39.9780, 30.3975,
67.3789

■ 44.7252, 37.3757,
68.4756

■ 50.1727, 45.6360,
69.7829

■ 56.3531, 55.2422,
71.3113

■ 63.2970, 66.2539,
73.0708

■ 71.0331, 78.7267,
75.0706

Harmonies

Analogous

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



18.0941, 13.8118, 101.1597



27.2286, 13.8118, 64.8492



33.3107, 13.8118, 25.9511

Triad

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



27.2286, 13.8118, 64.8492



16.5270, 13.8118, 0.0000



3.5213, 13.8118, 31.7020

Complementary

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



27.2286, 13.8118, 64.8492



29.2709, 50.7403, 10.3492

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.



3.3780, 13.8118, 7.7158



27.2286, 13.8118, 64.8492



9.1650, 13.8118, 0.0000

Square

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



27.2286, 13.8118, 64.8492



25.7057, 13.8118, 0.3246



4.9965, 13.8118, 0.7625



5.5147, 13.8118, 72.3635

Rectangle

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



27.2286, 13.8118, 64.8492



33.7032, 13.8118, 10.1171



4.9965, 13.8118, 0.7625



3.2937, 13.8118, 21.3426

Sweetspot

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



27.2293, 13.8123, 64.8495



71.7381, 63.4695, 103.0776



17.4827, 14.1875, 65.4357



14.7327, 12.6422, 21.9136



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.



27.2293, 13.8123, 64.8495



36.1202, 16.6588, 95.9195



37.2994, 19.3921, 47.7688



12.5512, 12.4256, 15.6744



14.6102, 6.6843, 38.9733



0.9654, 0.4466, 2.3546

Inverse Universe

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



30.6360, 16.7268, 12.6803



43.0143, 22.1026, 10.8635



26.0615, 49.0049, 13.8525



12.5843, 12.4852, 13.7512



17.4352, 8.9104, 4.3299



1.0888, 0.5523, 0.4569

Previews

White Background



This preview shows how the XYZ color 27.2286, 13.8118, 64.8492 looks on a white background.

Color Contrast Check

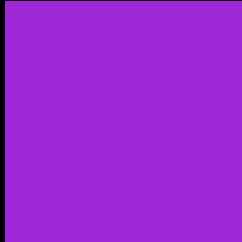
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2286, 13.8118, 64.8492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

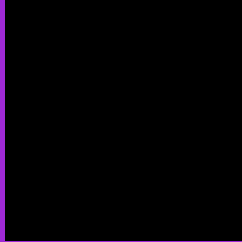
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2286, 13.8118, 64.8492

Background



This preview shows how black text looks on a background with the XYZ color 27.2286, 13.8118, 64.8492.



This preview shows how white text looks on a background with the XYZ color 27.2286, 13.8118,

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

27.2286, 13.8118, 64.8492

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

16.6291, 13.7508, 13.0870

Trichromacy



Original Color

27.2286, 13.8118, 64.8492



Protanomaly

16.5511, 11.2956, 64.2587



Deuteranomaly

14.8020, 11.0716, 53.5814



Tritanomaly

19.0836, 12.7312, 26.2625

Monochromacy



Original Color

27.2286, 13.8118, 64.8492



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

14.8524, 10.9549, 25.7578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2286, 13.8118, 64.8492 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(159, 41, 214)` looks like.

```
.text, #text, p{  
    color:rgb(159, 41, 214)  
}
```

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(159, 41, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 41, 214) }
```

Border

The CSS property to change the border of an element to XYZ 27.2286, 13.8118, 64.8492 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(159, 41, 214) }
```


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

```
.border{ border-color:rgb(159, 41, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 41, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 41, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 41, 214);  
box-shadow:4px 4px 4px 4px rgb(159, 41,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2286, 13.8118, 64.8492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 41, 214) }
```

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

```
.background{ background-color: rgb(159, 41,  
214) }
```

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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