

Converting Colors

XYZ(27.1994, 12.9535, 54.2360)

Have a look what the booklet for
XYZ(27.1994, 12.9535, 54.2360)
contains.

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Color

**XYZ(27.2714, 12.9781,
54.4937)**

Conversions

Conversions Part 1

Format	Color
Hex	AC06C6
RGB	172, 6, 198
RGB Percent	67%, 2%, 78%
CMY	0.3255, 0.9764, 0.2235
CMYK	0.13, 0.97, 0.00, 0.22
HSL	292°, 94%, 40%
HSV	292°, 97%, 78%
XYZ	27.2714, 12.9781, 54.4937
YIQ	77.5220, 37.3040, 94.9040

Conversions

Conversions Part 2

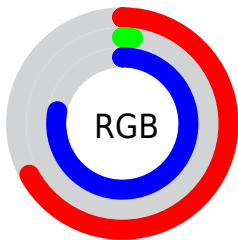
Format	Color
R_{YB}	172, 6, 198
Decimal	11273926
CIE _{Lab}	42.73, 76.63, -57.53
CIE _{LCh}	43, 95.826, 323.103
Yxy	12.9781, 0.2878, 0.1370
Android (android.graphics.Color)	4289464006 (0xFFAC06C6)
YUV	77.5220, 59.3957, 82.8572
Hunter-Lab	36.0251, 72.0824, -64.4679

Details

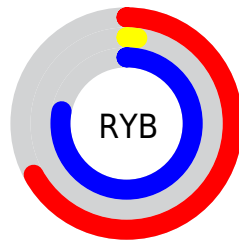
The XYZ color **27.2714, 12.9781, 54.4937** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **20.8232, 40.7088, 6.9328**, and the grayscale version is **7.0408, 7.4075, 8.0667**.

A 20% lighter version of the original color is **54.8184, 31.3553, 97.7707**, and **11.8974, 5.5606, 26.4328** is the 20% darker color. If you saturate the color by 10%, you get **27.0285, 12.7562, 54.4639**, and if you desaturate by 10%, it is **28.1665, 13.8851, 54.6218**.

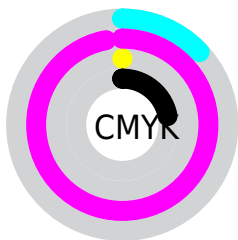
Distribution



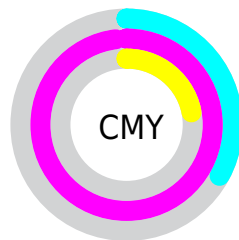
- Red (67%)
- Green (2%)
- Blue (78%)



- Red (67%)
- Yellow (2%)
- Blue (78%)



- Cyan (13%)
- Magenta (97%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (98%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2714, 12.9781, 54.4937 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 27.2714, 12.9781, 54.4937 by changing the saturation by 10% instead.

 27.2714, 12.9781,
54.4937

 27.2714, 12.9781,
54.4937


281.1124,
210.7773, 421.2176


 17.9148, 7.4135,
38.6006


 54.7359, 31.2644,
98.2624

 10.9882, 3.7220,
26.1438


 73.5745, 44.7549,
126.9752

 6.1261, 1.5193,
16.7045


 96.3045, 61.6562,
160.7983

 2.9633, 0.3023,
9.8643

 123.2912, 82.3525,
200.1503

 1.1344, 0.0000,
5.2046

 154.9000,
107.2284, 245.4497

 0.0536, 0.0000,
2.3070

 191.4962,

 0.0000, 0.0000,

136.6683, 297.1150

0.7351

233.4452,
171.0564, 355.5648

■ 0.0000, 0.0000,
0.0000

■ 27.2714, 12.9781,
54.4937

■ 27.2714, 12.9781,
54.4937

■ 27.0285, 12.7562,
54.4639

■ 28.1665, 13.8851,
54.6218

■ 29.3696, 15.3912,
54.8491

■ 30.9403, 17.6144,
55.1954

■ 32.9220, 20.6419,
55.6753

■ 35.3523, 24.5485,
56.3013

■ 38.2643, 29.4003,
57.0843

■ 41.6879, 35.2571,
58.0343

■ 45.6506, 42.1737,
59.1605

■ 50.1778, 50.2011,
60.4714

Harmonies

Analogous

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



18.6888, 12.9781, 92.4720



27.2714, 12.9781, 54.4937



32.1230, 12.9781, 19.5166

Triad

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



27.2714, 12.9781, 54.4937



14.0950, 12.9781, 0.0000



3.4161, 12.9781, 36.4420

Complementary

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



27.2714, 12.9781, 54.4937



20.8232, 40.7088, 6.9328

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.



3.0000, 12.9781, 9.8402



27.2714, 12.9781, 54.4937



7.6147, 12.9781, 0.0000

Square

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



27.2714, 12.9781, 54.4937



22.8016, 12.9781, 0.0000



4.1818, 12.9781, 1.1380



5.6917, 12.9781, 76.6208

Rectangle

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



27.2714, 12.9781, 54.4937



31.6270, 12.9781, 6.8476



4.1818, 12.9781, 1.1380



3.1038, 12.9781, 25.3168

Sweetspot

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



27.2720, 12.9786, 54.4940



72.2353, 59.6980, 102.3234



10.8639, 5.3071, 53.8780



14.8965, 11.8108, 21.7445



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.



27.2720, 12.9786, 54.4940



47.7071, 22.5088, 96.4379



27.4376, 13.7698, 22.6153



10.9364, 10.7410, 13.4143



17.6303, 8.3230, 35.4216



0.8749, 0.4148, 1.6791

Inverse Universe

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



23.6149, 12.2407, 2.4855



41.5365, 21.3786, 3.4912



21.4790, 40.9109, 13.1043



10.6914, 10.6599, 11.3581



15.2910, 7.8660, 1.4765



0.7436, 0.3803, 0.1730

Previews

White Background



This preview shows how the XYZ color 27.2714, 12.9781, 54.4937 looks on a white background.

Color Contrast Check

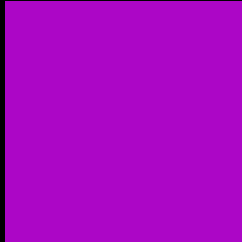
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2714, 12.9781, 54.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

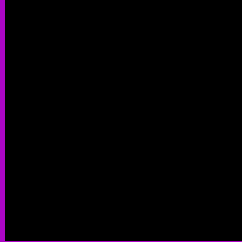
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2714, 12.9781, 54.4937

Background



This preview shows how black text looks on a background with the XYZ color 27.2714, 12.9781, 54.4937.



This preview shows how white text looks on a background with the XYZ color 27.2714, 12.9781,

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

27.2714, 12.9781, 54.4937

Deuteranopia

13.7073, 13.4034, 47.7636

Tritanopia

18.1904, 13.2414, 9.7807

Trichromacy



Original Color

27.2714, 12.9781, 54.4937

Deuteranomaly

13.4113, 8.9087, 49.7279

Tritanomaly

19.8300, 11.6180, 20.5994

Monochromacy



Original Color

27.2714, 12.9781, 54.4937

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

11.4229, 7.3059, 19.2205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2714, 12.9781, 54.4937 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(172, 6, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 6, 198)  
}
```

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(172, 6, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 6, 198) }
```

Border

The CSS property to change the border of an element to XYZ 27.2714, 12.9781, 54.4937 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(172, 6, 198) }
```

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

```
.border{ border-color:rgb(172, 6, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 6, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 6, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 6, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 6,  
198) }
```


Background

The CSS property to change the background color of an element to XYZ 27.2714, 12.9781, 54.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 6, 198) }
```

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

```
.background{ background-color: rgb(172, 6,  
198) }
```

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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