

Converting Colors

XYZ(28.9491, 14.2348, 42.2523)

Have a look what the booklet for
XYZ(28.9491, 14.2348, 42.2523)
contains.

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Color

**XYZ(28.9667, 14.2413,
42.2964)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0DB0
RGB	189, 13, 176
RGB Percent	74%, 5%, 69%
CMY	0.2588, 0.9489, 0.3098
CMYK	0.00, 0.93, 0.07, 0.26
HSL	304°, 87%, 40%
HSV	304°, 93%, 74%
XYZ	28.9667, 14.2413, 42.2964
YIQ	84.2060, 52.5730, 88.0050

Conversions

Conversions Part 2

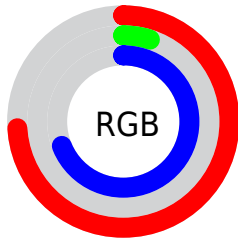
Format	Color
RYB	189, 13, 176
Decimal	12389808
CIELab	44.58, 75.37, -41.49
CIELCh	45, 86.034, 331.170
Yxy	14.2413, 0.3388, 0.1666
Android (android.graphics.Color)	4290579888 (0xFFBD0DB0)
YUV	84.2060, 45.2544, 91.9043
Hunter-Lab	37.7376, 70.9723, -40.0360

Details

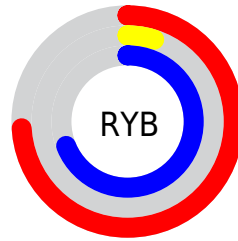
The XYZ color **28.9667, 14.2413, 42.2964** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.5509, 36.5561, 7.0570**, and the grayscale version is **8.3740, 8.8101, 9.5942**.

A 20% lighter version of the original color is **57.3735, 33.4481, 79.7761**, and **12.9352, 6.2554, 19.2645** is the 20% darker color. If you saturate the color by 10%, you get **28.7281, 13.9156, 41.7489**, and if you desaturate by 10%, it is **29.4764, 15.0380, 43.1516**.

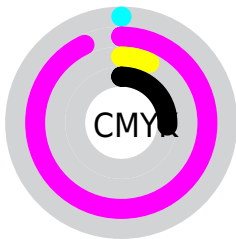
Distribution



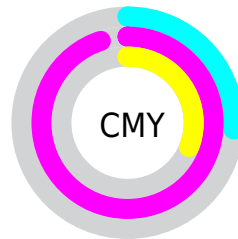
- Red (74%)
- Green (5%)
- Blue (69%)



- Red (74%)
- Yellow (5%)
- Blue (69%)



- Cyan (0%)
- Magenta (93%)
- Yellow (7%)
- Black (26%)



- Cyan (26%)
- Magenta (95%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9667, 14.2413, 42.2964 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 28.9667, 14.2413, 42.2964 by changing the saturation by 10% instead.

■ 28.9667, 14.2413,
42.2964

■ 28.9667, 14.2413,
42.2964

289.0548,
218.7268, 371.5460

■ 19.1998, 8.2887,
29.0061

■ 57.4221, 33.5166,
79.9229

■ 11.9196, 4.2802,
18.8399

■ 76.8413, 47.6080,
105.0963

■ 6.7608, 1.8315,
11.3790

■ 100.2086, 65.1812,
135.0678

■ 3.3579, 0.5067,
6.2050

■ 127.8895, 86.6205,
170.2560

■ 1.3457, 0.0000,
2.8993

■ 160.2491,
112.3103, 211.0793

■ 0.2171, 0.0000,
1.0435

■ 197.6530,

■ 0.0000, 0.0000,

142.6350, 257.9564

0.0000

240.4665,
177.9791, 311.3058

■ 28.9667, 14.2413,
42.2964

■ 28.9667, 14.2413,
42.2964

■ 28.7281, 13.9156,
41.7489

■ 29.4764, 15.0380,
43.1516

■ 30.2784, 16.4175,
44.1111

■ 31.4169, 18.4677,
45.1899

■ 32.9284, 21.2615,
46.4000

■ 34.8443, 24.8620,
47.7521

■ 37.1931, 29.3258,
49.2556

■ 40.0004, 34.7044,
50.9190

■ 43.2900, 41.0453,
52.7504

■ 47.0840, 48.3924,
54.7571

Harmonies

Analogous

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



21.7093, 14.2413, 76.8328



28.9667, 14.2413, 42.2964



31.8040, 14.2413, 14.7371

Triad

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



28.9667, 14.2413, 42.2964



13.2646, 14.2413, 0.0000



5.0118, 14.2413, 44.9974

Complementary

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



28.9667, 14.2413, 42.2964



18.5509, 36.5561, 7.0570

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.



4.0816, 14.2413, 16.3019



28.9667, 14.2413, 42.2964



7.7246, 14.2413, 0.2267

Square

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



28.9667, 14.2413, 42.2964



21.0675, 14.2413, 0.1039



4.8722, 14.2413, 3.3962



8.0547, 14.2413, 79.1292

Rectangle

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



28.9667, 14.2413, 42.2964



30.2394, 14.2413, 5.3763



4.8722, 14.2413, 3.3962



4.4999, 14.2413, 33.8698

Sweetspot

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



28.9673, 14.2420, 42.2967



68.8510, 56.8033, 89.5680



9.7245, 4.1662, 48.4363



14.3586, 11.3594, 18.9912



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9673, 14.2420, 42.2967



51.4122, 24.9068, 74.5646



22.9457, 11.8334, 10.5877



9.8987, 9.6838, 11.8556



19.3413, 9.3677, 28.1545



0.7668, 0.3706, 1.1511

Inverse Universe

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



28.9673, 14.2420, 42.2967



51.4122, 24.9068, 74.5646



21.3304, 37.6679, 21.6937



9.8987, 9.6838, 11.8556



19.3413, 9.3677, 28.1545



0.7668, 0.3706, 1.1511

Previews

White Background



This preview shows how the XYZ color 28.9667, 14.2413, 42.2964 looks on a white background.

Color Contrast Check

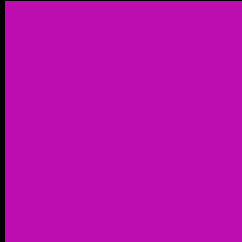
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9667, 14.2413, 42.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

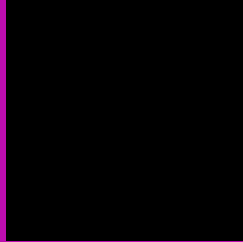
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.9667, 14.2413, 42.2964

Background



This preview shows how black text looks on a background with the XYZ color 28.9667, 14.2413, 42.2964.



This preview shows how white text looks on a background with the XYZ color 28.9667, 14.2413,

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

28.9667, 14.2413, 42.2964

Deuteranopia

15.1098, 14.8098, 37.6595

Tritanopia

22.0166, 14.4584, 8.1089

Trichromacy



Original Color

28.9667, 14.2413, 42.2964

Deuteranomaly

17.0152, 11.4812, 38.8554

Tritanomaly

23.4960, 13.4116, 16.3892

Monochromacy



Original Color

28.9667, 14.2413, 42.2964

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.7500, 8.4480, 17.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9667, 14.2413, 42.2964 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(189, 13, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 13, 176)  
}
```

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(189, 13, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 13, 176) }
```

Border

The CSS property to change the border of an element to XYZ 28.9667, 14.2413, 42.2964 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(189, 13, 176) }
```

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

```
.border{ border-color:rgb(189, 13, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 13, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 13, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 13, 176);  
box-shadow:4px 4px 4px 4px rgb(189, 13,  
176) }
```


Background

The CSS property to change the background color of an element to XYZ 28.9667, 14.2413, 42.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 13, 176) }
```

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

```
.background{ background-color: rgb(189, 13,  
176) }
```

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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