

Converting Colors

XYZ(29.5142, 14.2950, 42.9537)

Have a look what the booklet for
XYZ(29.5142, 14.2950, 42.9537)
contains.

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Color

**XYZ(29.4217, 14.2507,
42.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00B1
RGB	191, 0, 177
RGB Percent	75%, 0%, 69%
CMY	0.2510, 0.9999, 0.3059
CMYK	0.00, 1.00, 0.07, 0.25
HSL	304°, 100%, 37%
HSV	304°, 100%, 75%
XYZ	29.4217, 14.2507, 42.7949
YIQ	77.2870, 57.0190, 95.5390

Conversions

Conversions Part 2

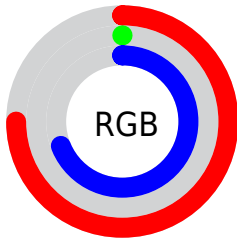
Format	Color
RYB	191, 0, 177
Decimal	12517553
CIELab	44.59, 77.07, -42.03
CIELCh	45, 87.784, 331.390
Yxy	14.2507, 0.3403, 0.1648
Android (android.graphics.Color)	4290707633 (0xFFBF00B1)
YUV	77.2870, 49.1585, 99.7263
Hunter-Lab	37.7501, 73.0568, -40.7883

Details

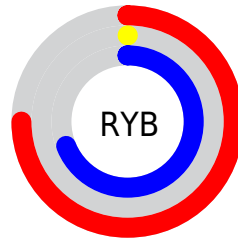
The XYZ color **29.4217, 14.2507, 42.7949** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.7108, 37.2940, 6.6287**, and the grayscale version is **7.0141, 7.3794, 8.0362**.

A 20% lighter version of the original color is **58.0640, 33.5372, 80.5038**, and **13.3110, 6.4418, 19.6106** is the 20% darker color. If you saturate the color by 10%, you get **29.4218, 14.2508, 42.7941**, and if you desaturate by 10%, it is **29.7973, 14.7770, 43.6124**.

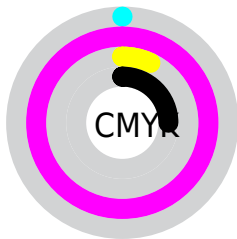
Distribution



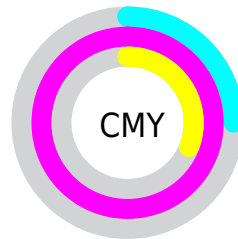
- Red (75%)
- Green (0%)
- Blue (69%)



- Red (75%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4217, 14.2507, 42.7949 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 29.4217, 14.2507, 42.7949 by changing the saturation by 10% instead.


 29.4217, 14.2507,
42.7949


 29.4217, 14.2507,
42.7949


291.1579,
218.7849, 373.6640


 19.5459, 8.2952,
29.3940


 58.1393, 33.5332,
80.6843


 12.1718, 4.2844,
19.1310

 77.7120, 47.6290,
106.0099


 6.9338, 1.8339,
11.5872


 101.2476, 65.2071,
136.1475

 3.4667, 0.5082,
6.3441

 129.1115, 86.6518,
171.5156

 1.4051, 0.0000,
2.9833

 161.6692,
112.3475, 212.5327

 0.2599, 0.0000,
1.0861

 199.2859,

 0.0000, 0.0000,

142.6787, 259.6175

0.0000

242.3270,
178.0297, 313.1884

■ 29.4217, 14.2507,
42.7949

■ 29.4217, 14.2507,
42.7949

■ 29.4218, 14.2508,
42.7941

■ 29.7973, 14.7770,
43.6124

■ 30.4044, 15.7644,
44.5140

■ 31.3266, 17.3795,
45.5278

■ 32.6058, 19.7066,
46.6677

■ 34.2778, 22.8167,
47.9457

■ 36.3738, 26.7726,
49.3722

■ 38.9219, 31.6305,
50.9566

■ 41.9479, 37.4417,
52.7075

■ 45.4755, 44.2539,
54.6329

Harmonies

Analogous

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



21.9771, 14.2507, 78.5874



29.4217, 14.2507, 42.7949



32.3012, 14.2507, 14.5869

Triad

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



29.4217, 14.2507, 42.7949



13.2162, 14.2507, 0.0000



4.9110, 14.2507, 46.1092

Complementary

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



29.4217, 14.2507, 42.7949



18.7108, 37.2940, 6.6287

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.



3.9649, 14.2507, 16.4849



29.4217, 14.2507, 42.7949



7.6036, 14.2507, 0.1359

Square

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



29.4217, 14.2507, 42.7949



21.1942, 14.2507, 0.0000



4.7445, 14.2507, 3.3119



8.0008, 14.2507, 81.4192

Rectangle

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



29.4217, 14.2507, 42.7949



30.6578, 14.2507, 5.1759



4.7445, 14.2507, 3.3119



4.3924, 14.2507, 34.6017

Sweetspot

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



29.4223, 14.2514, 42.7952



69.4662, 56.1860, 91.1172



9.5668, 3.8459, 49.5290



14.8078, 11.4854, 19.7360



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.4223, 14.2514, 42.7952



52.6544, 25.5071, 76.4353



23.0393, 11.6982, 9.1831



9.8990, 9.6839, 11.8569



19.3483, 9.3705, 28.1912



0.7670, 0.3707, 1.1522

Inverse Universe

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



29.4223, 14.2514, 42.7952



52.6544, 25.5071, 76.4353



21.3512, 38.3502, 20.5328



9.8990, 9.6839, 11.8569



19.3483, 9.3705, 28.1912



0.7670, 0.3707, 1.1522

Previews

White Background



This preview shows how the XYZ color 29.4217, 14.2507, 42.7949 looks on a white background.

Color Contrast Check

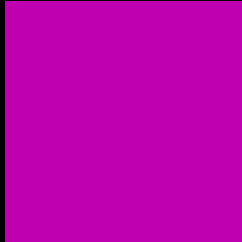
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4217, 14.2507, 42.7949 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 29.4217, 14.2507, 42.7949

Background



This preview shows how black text looks on a background with the XYZ color 29.4217, 14.2507, 42.7949.



This preview shows how white text looks on a background with the XYZ color 29.4217, 14.2507,

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

29.4217, 14.2507, 42.7949

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.2825, 14.8883, 38.1446



Tritanopia

22.4822, 14.6985, 8.1307

Trichromacy



Original Color

29.4217, 14.2507, 42.7949



Protanomaly

15.3015, 9.5213, 58.1581



Deuteranomaly

16.9306, 10.9585, 39.2531



Tritanomaly

23.8152, 13.3388, 16.3584

Monochromacy



Original Color

29.4217, 14.2507, 42.7949



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5502, 7.2404, 16.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4217, 14.2507, 42.7949 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(191, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 177)  
}
```

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(191, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.4217, 14.2507, 42.7949 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(191, 0, 177) }
```


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

```
.border{ border-color:rgb(191, 0, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4217, 14.2507, 42.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 177) }
```

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

```
.background{ background-color: rgb(191, 0,  
177) }
```

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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