

Converting Colors

XYZ(28.9713, 14.0042, 43.4187)

Have a look what the booklet for
XYZ(28.9713, 14.0042, 43.4187)
contains.

XYZ(29.0221, 14.0332, 43.2985)	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(29.0221, 14.0332,
43.2985)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00B2
RGB	189, 0, 178
RGB Percent	74%, 0%, 70%
CMY	0.2588, 0.9999, 0.3020
CMYK	0.00, 1.00, 0.06, 0.26
HSL	303°, 100%, 37%
HSV	303°, 100%, 74%
XYZ	29.0221, 14.0332, 43.2985
YIQ	76.8030, 55.5060, 95.4260

Conversions

Conversions Part 2

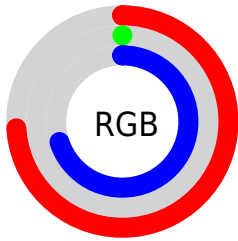
Format	Color
RYB	189, 0, 178
Decimal	12386482
CIELab	44.28, 76.86, -43.14
CIELCh	44, 88.142, 330.695
Yxy	14.0332, 0.3361, 0.1625
Android (android.graphics.Color)	4290576562 (0xFFBD00B2)
YUV	76.8030, 49.8901, 98.3968
Hunter-Lab	37.4609, 72.7327, -42.3066

Details

The XYZ color **29.0221, 14.0332, 43.2985** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.2587, 36.4199, 6.3849**, and the grayscale version is **6.9239, 7.2845, 7.9328**.

A 20% lighter version of the original color is **57.4079, 33.0597, 81.1973**, and **13.0617, 6.3060, 19.9308** is the 20% darker color. If you saturate the color by 10%, you get **29.0222, 14.0332, 43.2978**, and if you desaturate by 10%, it is **29.3649, 14.5410, 43.9601**.

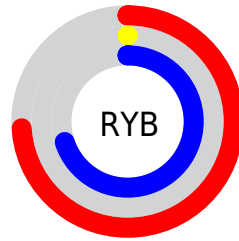
Distribution



Red (74%)

Green (0%)

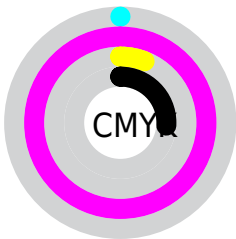
Blue (70%)



Red (74%)

Yellow (0%)

Blue (70%)

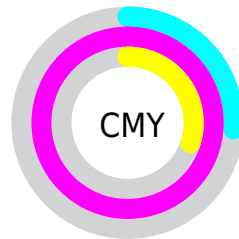


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0221, 14.0332, 43.2985 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 29.0221, 14.0332, 43.2985 by changing the saturation by 10% instead.

 29.0221, 14.0332,
43.2985


 29.0221, 14.0332,
43.2985

289.3115,
217.4373, 375.7951


 19.2419, 8.1438,
29.7863


 57.5095, 33.1479,
81.4523

 11.9502, 4.1871,
19.4257


 76.9474, 47.1420,
106.9309


 6.7818, 1.7788,
11.7984


 100.3353, 64.6064,
137.2355

 3.3711, 0.4739,
6.4857

 128.0385, 85.9255,
172.7844

 1.3529, 0.0000,
3.0691

 160.4224,
111.4838, 213.9963

 0.2223, 0.0000,
1.1300

 197.8523,

 0.0000, 0.0000,

141.6656, 261.2897

0.0000

240.6935,
176.8553, 315.0831

■ 29.0221, 14.0332,
43.2985

■ 29.0221, 14.0332,
43.2985

■ 29.0222, 14.0332,
43.2978

■ 29.3649, 14.5410,
43.9601

■ 29.9328, 15.4976,
44.7010

■ 30.8076, 17.0669,
45.5486

■ 32.0304, 19.3307,
46.5166

■ 33.6358, 22.3584,
47.6166

■ 35.6544, 26.2110,
48.8587

■ 38.1136, 30.9432,
50.2521

■ 41.0383, 36.6052,
51.8052

■ 44.4518, 43.2432,
53.5256

Harmonies

Analogous

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



21.5366, 14.0332, 79.0124



29.0221, 14.0332, 43.2985



32.0359, 14.0332, 14.8128

Triad

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



29.0221, 14.0332, 43.2985



13.1741, 14.0332, 0.0000



4.7396, 14.0332, 44.9556

Complementary

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



29.0221, 14.0332, 43.2985



18.2587, 36.4199, 6.3849

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.



3.8485, 14.0332, 15.7564



29.0221, 14.0332, 43.2985



7.5396, 14.0332, 0.0386

Square

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



29.0221, 14.0332, 43.2985



21.1462, 14.0332, 0.0000



4.6574, 14.0332, 3.0576



7.7363, 14.0332, 80.4316

Rectangle

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



29.0221, 14.0332, 43.2985



30.4923, 14.0332, 5.2475



4.6574, 14.0332, 3.0576



4.2433, 14.0332, 33.5472

Sweetspot

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



29.0227, 14.0339, 43.2988



68.0237, 54.9611, 89.8708



9.3043, 3.7359, 48.3752



14.2113, 11.0155, 19.0940



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.



29.0227, 14.0339, 43.2988



51.9467, 25.1206, 77.3792



22.6290, 11.4764, 9.6305



9.9053, 9.6864, 11.8905



19.5368, 9.4459, 29.1841



0.7726, 0.3729, 1.1819

Inverse Universe

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



29.0227, 14.0339, 43.2988



51.9467, 25.1206, 77.3792



20.6949, 37.3944, 19.2140



9.9053, 9.6864, 11.8905



19.5368, 9.4459, 29.1841



0.7726, 0.3729, 1.1819

Previews

White Background



This preview shows how the XYZ color 29.0221, 14.0332, 43.2985 looks on a white background.

Color Contrast Check

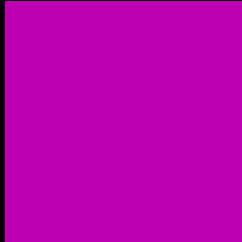
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0221, 14.0332, 43.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

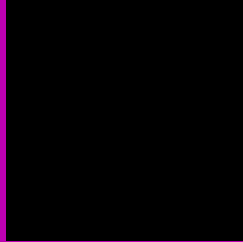
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.0221, 14.0332, 43.2985

Background



This preview shows how black text looks on a background with the XYZ color 29.0221, 14.0332, 43.2985.



This preview shows how white text looks on a background with the XYZ color 29.0221, 14.0332,

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

29.0221, 14.0332, 43.2985

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

15.1344, 14.8013, 38.6185



Tritanopia

22.0166, 14.4584, 8.1089

Trichromacy



Original Color

29.0221, 14.0332, 43.2985



Protanomaly

15.1820, 9.4734, 57.5283



Deuteranomaly

16.6203, 10.7875, 39.7343



Tritanomaly

23.3915, 13.1139, 16.6276

Monochromacy



Original Color

29.0221, 14.0332, 43.2985



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6068, 7.2631, 16.7098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0221, 14.0332, 43.2985 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, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 178)  
}
```

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, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.0221, 14.0332, 43.2985 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, 0, 178) }
```


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

```
.border{ border-color:rgb(189, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0221, 14.0332, 43.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 178) }
```

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

```
.background{ background-color: rgb(189, 0,  
178) }
```

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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