

Converting Colors

XYZ(29.0749, 14.0457, 43.9643)

Have a look what the booklet for
XYZ(29.0749, 14.0457, 43.9643)
contains.

XYZ(29.1229, 14.0735, 43.8293)	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(29.1229, 14.0735,
43.8293)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00B3
RGB	189, 0, 179
RGB Percent	74%, 0%, 70%
CMY	0.2588, 0.9999, 0.2980
CMYK	0.00, 1.00, 0.05, 0.26
HSL	303°, 100%, 37%
HSV	303°, 100%, 74%
XYZ	29.1229, 14.0735, 43.8293
YIQ	76.9170, 55.1850, 95.7370

Conversions

Conversions Part 2

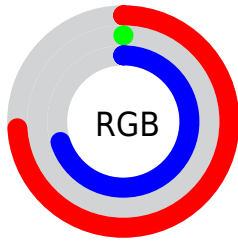
Format	Color
RYB	189, 0, 179
Decimal	12386483
CIELab	44.34, 77.00, -43.64
CIELCh	44, 88.510, 330.458
Yxy	14.0735, 0.3346, 0.1617
Android (android.graphics.Color)	4290576563 (0xFFBD00B3)
YUV	76.9170, 50.3269, 98.2968
Hunter-Lab	37.5147, 72.9202, -43.0097

Details

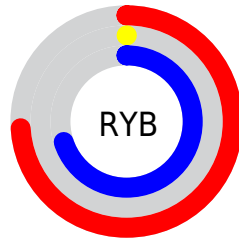
The XYZ color **29.1229, 14.0735, 43.8293** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.2530, 36.4177, 6.3552**, and the grayscale version is **6.9440, 7.3057, 7.9559**.

A 20% lighter version of the original color is **57.5520, 33.1173, 81.9562**, and **13.0617, 6.3060, 19.9308** is the 20% darker color. If you saturate the color by 10%, you get **29.1230, 14.0735, 43.8287**, and if you desaturate by 10%, it is **29.4564, 14.5775, 44.4415**.

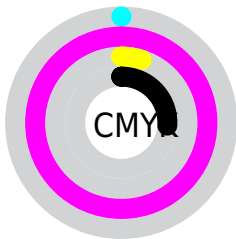
Distribution



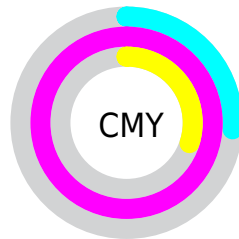
- Red (74%)
- Green (0%)
- Blue (70%)



- Red (74%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1229, 14.0735, 43.8293 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 29.1229, 14.0735, 43.8293 by changing the saturation by 10% instead.


 29.1229, 14.0735,
43.8293


 29.1229, 14.0735,
43.8293


289.7781,
217.6876, 378.0322


 19.3186, 8.1718,
30.2001


 57.6685, 33.2194,
82.2606

 12.0061, 4.2051,
19.7372


 77.1405, 47.2324,
107.8997


 6.8200, 1.7889,
12.0220


 100.5657, 64.7179,
138.3793

 3.3951, 0.4803,
6.6359

 128.3095, 86.0604,
174.1178

 1.3660, 0.0000,
3.1605

 160.7374,
111.6442, 215.5338

 0.2318, 0.0000,
1.1772

 198.2145,

 0.0000, 0.0000,

141.8537, 263.0459

0.0000

241.1063,
177.0734, 317.0725

■ 29.1229, 14.0735,
43.8293

■ 29.1229, 14.0735,
43.8293

■ 29.1230, 14.0735,
43.8287

■ 29.4564, 14.5775,
44.4415

■ 30.0146, 15.5303,
45.1321

■ 30.8797, 17.0957,
45.9287

■ 32.0926, 19.3555,
46.8448

■ 33.6880, 22.3791,
47.8921

■ 35.6965, 26.2275,
49.0807

■ 38.1453, 30.9556,
50.4198

■ 41.0595, 36.6133,
51.9177

■ 44.4624, 43.2471,
53.5822

Harmonies

Analogous

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



21.5622, 14.0735, 79.8092



29.1229, 14.0735, 43.8293



32.2075, 14.0735, 15.0130

Triad

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



29.1229, 14.0735, 43.8293



13.2675, 14.0735, 0.0000



4.7200, 14.0735, 44.9301

Complementary

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



29.1229, 14.0735, 43.8293



18.2530, 36.4177, 6.3552

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.



3.8402, 14.0735, 15.6386



29.1229, 14.0735, 43.8293



7.5792, 14.0735, 0.0104

Square

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



29.1229, 14.0735, 43.8293



21.3032, 14.0735, 0.0000



4.6657, 14.0735, 2.9976



7.7095, 14.0735, 80.7527

Rectangle

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



29.1229, 14.0735, 43.8293



30.6855, 14.0735, 5.3153



4.6657, 14.0735, 2.9976



4.2272, 14.0735, 33.4627

Sweetspot

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



29.1235, 14.0742, 43.8296



68.0817, 54.9842, 90.1761



9.3043, 3.7359, 48.3753



14.2254, 11.0212, 19.1685



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.



29.1235, 14.0742, 43.8296



52.1299, 25.1939, 78.3440



22.6290, 11.4764, 9.6304



9.9076, 9.6873, 11.9022



19.6038, 9.4727, 29.5369



0.7746, 0.3737, 1.1925

Inverse Universe

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



29.1235, 14.0742, 43.8296



52.1299, 25.1939, 78.3440



20.6949, 37.3944, 19.2138



9.9076, 9.6873, 11.9022



19.6038, 9.4727, 29.5369



0.7746, 0.3737, 1.1925

Previews

White Background



This preview shows how the XYZ color 29.1229, 14.0735, 43.8293 looks on a white background.

Color Contrast Check

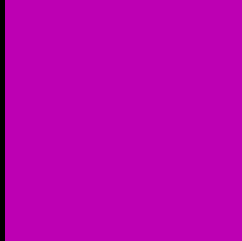
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1229, 14.0735, 43.8293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

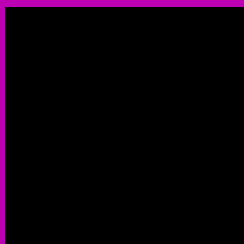
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1229, 14.0735, 43.8293

Background



This preview shows how black text looks on a background with the XYZ color 29.1229, 14.0735, 43.8293.



This preview shows how white text looks on a background with the XYZ color 29.1229, 14.0735,

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

29.1229, 14.0735, 43.8293

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

15.1496, 14.7984, 39.1037



Tritanopia

21.8203, 14.3533, 8.2770

Trichromacy



Original Color

29.1229, 14.0735, 43.8293



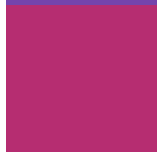
Protanomaly

15.3015, 9.5213, 58.1581



Deuteranomaly

16.7160, 10.8258, 40.2383



Tritanomaly

23.2104, 13.0141, 16.9114

Monochromacy



Original Color

29.1229, 14.0735, 43.8293



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 29.1229, 14.0735, 43.8293 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 29.1229, 14.0735, 43.8293 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, 179) }
```


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

```
.border{ border-color:rgb(189, 0, 179) }
```

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, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1229, 14.0735, 43.8293 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, 179) }
```

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

```
.background{ background-color: rgb(189, 0,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor