

Converting Colors

XYZ(29.3215, 14.1443, 45.2630)

Have a look what the booklet for
XYZ(29.3215, 14.1443, 45.2630)
contains.

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Color

**XYZ(29.4298, 14.1962,
45.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	BD00B6
RGB	189, 0, 182
RGB Percent	74%, 0%, 71%
CMY	0.2588, 0.9999, 0.2863
CMYK	0.00, 1.00, 0.04, 0.26
HSL	302°, 100%, 37%
HSV	302°, 100%, 74%
XYZ	29.4298, 14.1962, 45.4450
YIQ	77.2590, 54.2220, 96.6700

Conversions

Conversions Part 2

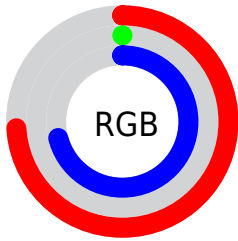
Format	Color
R_{YB}	189, 0, 182
Decimal	12386486
CIE _{Lab}	44.51, 77.43, -45.13
CIE _{LCh}	45, 89.623, 329.763
Yxy	14.1962, 0.3304, 0.1594
Android (android.graphics.Color)	4290576566 (0xFFBD00B6)
YUV	77.2590, 51.6373, 97.9969
Hunter-Lab	37.6778, 73.4884, -45.1379

Details

The XYZ color **29.4298, 14.1962, 45.4450** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18.2366, 36.4113, 6.2686**, and the grayscale version is **7.0045, 7.3693, 8.0252**.

A 20% lighter version of the original color is **58.2193, 33.5165, 85.0622**, and **13.2564, 6.3838, 20.9556** is the 20% darker color. If you saturate the color by 10%, you get **29.4300, 14.1964, 45.4448**, and if you desaturate by 10%, it is **29.7342, 14.6885, 45.9045**.

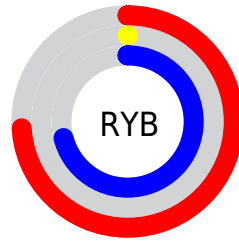
Distribution



Red (74%)

Green (0%)

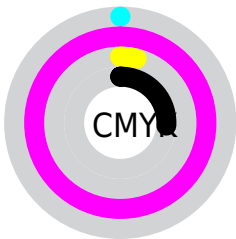
Blue (71%)



Red (74%)

Yellow (0%)

Blue (71%)

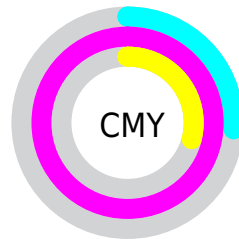


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4298, 14.1962, 45.4450 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 29.4298, 14.1962, 45.4450 by changing the saturation by 10% instead.


 29.4298, 14.1962,
45.4450


 29.4298, 14.1962,
45.4450


291.1953,
218.4480, 384.7854


 19.5521, 8.2573,
31.4626


 58.1521, 33.4368,
84.7133


 12.1763, 4.2600,
20.6899

 77.7274, 47.5071,
110.8362


 6.9369, 1.8200,
12.7085


 101.2660, 65.0568,
141.8431

 3.4686, 0.4996,
7.0998

 129.1332, 86.4701,
178.1525

 1.4062, 0.0000,
3.4452

 161.6944,
112.1315, 220.1829

 0.2606, 0.0000,
1.3262

 199.3149,

 0.0000, 0.0000,

142.4254, 268.3528

0.0831

242.3601,
177.7361, 323.0808

■ 0.0000, 0.0000,
0.0000

■ 29.4298, 14.1962,
45.4450

■ 29.4298, 14.1962,
45.4450

■ 29.4300, 14.1964,
45.4448

■ 29.7342, 14.6885,
45.9045

■ 30.2631, 15.6295,
46.4405

■ 31.0983, 17.1828,
47.0804

■ 32.2811, 19.4304,
47.8380

■ 33.8459, 22.4417,
48.7247

■ 35.8234, 26.2775,
49.7507

■ 38.2408, 30.9929,
50.9252

■ 41.1234, 36.6377,
52.2565

■ 44.4941, 43.2585,
53.7524

Harmonies

Analogous

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



21.6423, 14.1962, 82.2313



29.4298, 14.1962, 45.4450



32.7282, 14.1962, 15.6225

Triad

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



29.4298, 14.1962, 45.4450



13.5506, 14.1962, 0.0000



4.6624, 14.1962, 44.8622

Complementary

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



29.4298, 14.1962, 45.4450



18.2366, 36.4113, 6.2686

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.



3.8160, 14.1962, 15.2932



29.4298, 14.1962, 45.4450



7.6993, 14.1962, 0.0000

Square

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



29.4298, 14.1962, 45.4450



21.7790, 14.1962, 0.0000



4.6907, 14.1962, 2.8239



7.6309, 14.1962, 81.7305

Rectangle

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



29.4298, 14.1962, 45.4450



31.2716, 14.1962, 5.5216



4.6907, 14.1962, 2.8239



4.1800, 14.1962, 33.2174

Sweetspot

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



29.4304, 14.1969, 45.4453



68.2564, 55.0541, 91.0959



9.2648, 3.7154, 48.3737



14.2681, 11.0383, 19.3931



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.



29.4304, 14.1969, 45.4453



52.6877, 25.4170, 81.2812



22.7571, 11.5276, 10.3043



9.9143, 9.6900, 11.9376



19.8077, 9.5542, 30.6104



0.7807, 0.3762, 1.2243

Inverse Universe

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



29.4304, 14.1969, 45.4453



52.6877, 25.4170, 81.2812



20.5379, 37.3318, 18.3867



9.9143, 9.6900, 11.9376



19.8077, 9.5542, 30.6104



0.7807, 0.3762, 1.2243

Previews

White Background



This preview shows how the XYZ color 29.4298, 14.1962, 45.4450 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

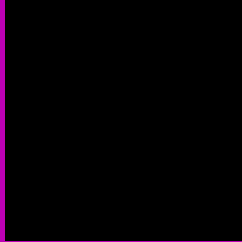
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4298, 14.1962, 45.4450

Background



This preview shows how black text looks on a background with the XYZ color 29.4298, 14.1962, 45.4450.



This preview shows how white text looks on a background with the XYZ color 29.4298, 14.1962,

45.4450.

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

29.4298, 14.1962, 45.4450

Protanopia

17.7365, 15.0151, 68.9812

Deuteranopia

15.3118, 15.0050, 40.6173



Tritanopia

21.9820, 14.6215, 8.5011

Trichromacy



Original Color

29.4298, 14.1962, 45.4450



Protanomaly

15.5430, 9.6179, 59.4297



Deuteranomaly

16.8054, 10.9288, 41.7812



Tritanomaly

23.3629, 13.1369, 17.5240

Monochromacy



Original Color

29.4298, 14.1962, 45.4450



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.6640, 7.2860, 17.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4298, 14.1962, 45.4450 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 182) }
```

Border

The CSS property to change the border of an element to XYZ 29.4298, 14.1962, 45.4450 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, 182) }
```


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

```
.border{ border-color:rgb(189, 0, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4298, 14.1962, 45.4450 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, 182) }
```

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

```
.background{ background-color: rgb(189, 0,  
182) }
```

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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