

Converting Colors

XYZ(29.2197, 14.0060, 49.1369)

Have a look what the booklet for
XYZ(29.2197, 14.0060, 49.1369)
contains.

XYZ(29.1929, 13.9884, 49.3055)	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(29.1929, 13.9884,
49.3055)**

Conversions

Conversions Part 1

Format	Color
Hex	B900BD
RGB	185, 0, 189
RGB Percent	73%, 0%, 74%
CMY	0.2745, 0.9999, 0.2588
CMYK	0.02, 1.00, 0.00, 0.26
HSL	299°, 100%, 37%
HSV	299°, 100%, 74%
XYZ	29.1929, 13.9884, 49.3055
YIQ	76.8610, 49.5910, 97.9990

Conversions

Conversions Part 2

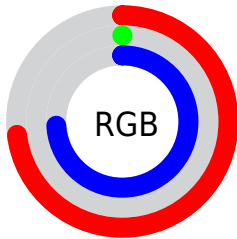
Format	Color
R_{YB}	185, 0, 189
Decimal	12124349
CIE _{Lab}	44.22, 77.80, -49.76
CIE _{LCh}	44, 92.352, 327.396
Yxy	13.9884, 0.3156, 0.1512
Android (android.graphics.Color)	4290314429 (0xFFB900BD)
YUV	76.8610, 55.2845, 94.8379
Hunter-Lab	37.4011, 73.8739, -51.9807

Details

The XYZ color **29.1929, 13.9884, 49.3055** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.2481, 36.4213, 6.0688**, and the grayscale version is **6.9250, 7.2856, 7.9340**.

A 20% lighter version of the original color is **57.7805, 33.0457, 90.5219**, and **13.1256, 6.2613, 23.4384** is the 20% darker color. If you saturate the color by 10%, you get **29.1932, 13.9885, 49.3057**, and if you desaturate by 10%, it is **29.5214, 14.5015, 49.3874**.

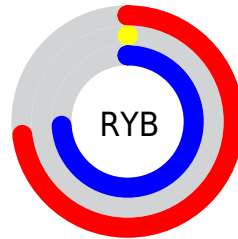
Distribution



Red (73%)

Green (0%)

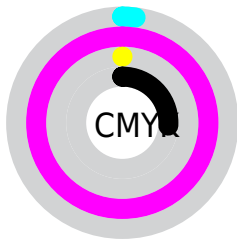
Blue (74%)



Red (73%)

Yellow (0%)

Blue (74%)

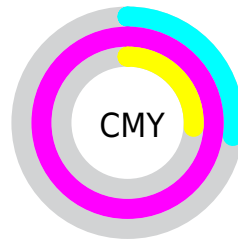


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (26%)



Cyan (27%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1929, 13.9884, 49.3055 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 29.1929, 13.9884, 49.3055 by changing the saturation by 10% instead.

 29.1929, 13.9884,
49.3055


 29.1929, 13.9884,
49.3055


290.1018,
217.1587, 400.6008

 19.3718, 8.1126,
34.4946


 57.7789, 33.0684,
90.5307

 12.0448, 4.1671,
22.9934


 77.2745, 47.0415,
117.7821


 6.8466, 1.7675,
14.3834


 100.7256, 64.4824,
150.0173

 3.4119, 0.4668,
8.2460

 128.4976, 85.7755,
187.6550

 1.3751, 0.0000,
4.1627

 160.9559,
111.3053, 231.1136

 0.2384, 0.0000,
1.7150

 198.4658,

 0.0000, 0.0000,

141.4562, 280.8118

0.3710

241.3927,
176.6125, 337.1680

■ 0.0000, 0.0000,
0.0000

■ 29.1929, 13.9884,
49.3055

■ 29.1929, 13.9884,
49.3055

■ 29.1932, 13.9885,
49.3057

■ 29.5214, 14.5015,
49.3874

■ 30.0742, 15.4631,
49.5439

■ 30.9333, 17.0372,
49.8024

■ 32.1398, 19.3054,
50.1767

■ 33.7283, 22.3374,
50.6782

■ 35.7293, 26.1939,
51.3171

■ 38.1702, 30.9299,
52.1026

■ 41.0761, 36.5953,
53.0430

■ 44.4701, 43.2367,
54.1460

Harmonies

Analogous

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



20.9535, 13.9884, 87.3199



29.1929, 13.9884, 49.3055



33.1093, 13.9884, 17.1530

Triad

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



29.1929, 13.9884, 49.3055



13.9507, 13.9884, 0.0000



4.2565, 13.9884, 42.6332

Complementary

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



29.1929, 13.9884, 49.3055



18.2481, 36.4213, 6.0688

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.



3.5603, 13.9884, 13.4582



29.1929, 13.9884, 49.3055



7.7760, 13.9884, 0.0000

Square

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



29.1929, 13.9884, 49.3055



22.5024, 13.9884, 0.0000



4.5654, 13.9884, 2.1503



7.0209, 13.9884, 81.5381

Rectangle

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



29.1929, 13.9884, 49.3055



31.9572, 13.9884, 6.0243



4.5654, 13.9884, 2.1503



3.8305, 13.9884, 30.9014

Sweetspot

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



29.1935, 13.9890, 49.3058



68.1290, 54.9409, 93.2401



9.2542, 3.8115, 48.3922



14.2369, 11.0105, 19.9174



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.



29.1935, 13.9890, 49.3058



52.2572, 25.0392, 88.3050



23.3262, 11.7552, 13.3026



9.9095, 9.6857, 12.0195



19.6507, 9.4164, 33.1747



0.7761, 0.3721, 1.2998

Inverse Universe

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



21.0086, 10.8281, 1.0982



37.6148, 19.3879, 1.9085



19.9681, 37.1035, 15.3877



9.5381, 9.5396, 9.9568



14.1386, 7.2866, 0.7573



0.5566, 0.2866, 0.0446

Previews

White Background



This preview shows how the XYZ color 29.1929, 13.9884, 49.3055 looks on a white background.

Color Contrast Check

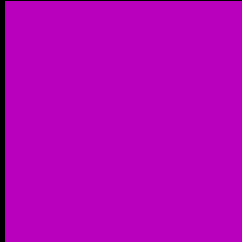
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1929, 13.9884, 49.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

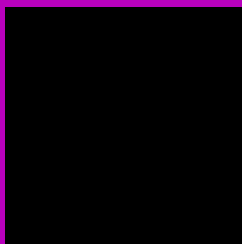
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1929, 13.9884, 49.3055

Background



This preview shows how black text looks on a background with the XYZ color 29.1929, 13.9884, 49.3055.



This preview shows how white text looks on a background with the XYZ color 29.1929, 13.9884,

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

29.1929, 13.9884, 49.3055

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

15.0972, 14.6595, 44.1533



Tritanopia

21.0936, 14.3463, 9.0545

Trichromacy



Original Color

29.1929, 13.9884, 49.3055



Protanomaly

15.5254, 9.5947, 60.0652



Deuteranomaly

16.3363, 10.5149, 45.4245



Tritanomaly

22.4778, 12.7121, 18.7217

Monochromacy



Original Color

29.1929, 13.9884, 49.3055



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5708, 7.2176, 17.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1929, 13.9884, 49.3055 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(185, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(185, 0, 189)  
}
```

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(185, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 29.1929, 13.9884, 49.3055 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(185, 0, 189) }
```


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

```
.border{ border-color:rgb(185, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(185, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(185, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1929, 13.9884, 49.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 0, 189) }
```

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

```
.background{ background-color: rgb(185, 0,  
189) }
```

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