

Converting Colors

XYZ(29.1378, 13.9315, 50.5879)

Have a look what the booklet for
XYZ(29.1378, 13.9315, 50.5879)
contains.

XYZ(29.1711, 13.9519, 50.4457)	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(29.1711, 13.9519,
50.4457)**

Conversions

Conversions Part 1

Format	Color
Hex	B800BF
RGB	184, 0, 191
RGB Percent	72%, 0%, 75%
CMY	0.2784, 0.9999, 0.2510
CMYK	0.04, 1.00, 0.00, 0.25
HSL	298°, 100%, 37%
HSV	298°, 100%, 75%
XYZ	29.1711, 13.9519, 50.4457
YIQ	76.7900, 48.3530, 98.4090

Conversions

Conversions Part 2

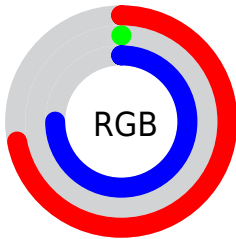
Format	Color
RYB	184, 0, 191
Decimal	12058815
CIELab	44.16, 77.94, -51.03
CIElCh	44, 93.158, 326.788
Yxy	13.9519, 0.3118, 0.1491
Android (android.graphics.Color)	4290248895 (0xFFB800BF)
YUV	76.7900, 56.3055, 94.0232
Hunter-Lab	37.3522, 74.0373, -53.9270

Details

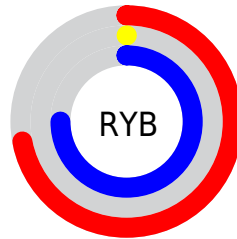
The XYZ color **29.1711, 13.9519, 50.4457** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.7188, 37.3071, 6.2150**, and the grayscale version is **6.9102, 7.2700, 7.9171**.

A 20% lighter version of the original color is **57.7412, 32.9899, 92.1313**, and **13.1195, 6.2418, 24.1802** is the 20% darker color. If you saturate the color by 10%, you get **29.1713, 13.9520, 50.4459**, and if you desaturate by 10%, it is **29.5745, 14.5086, 50.5321**.

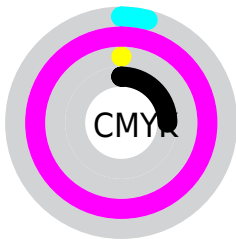
Distribution



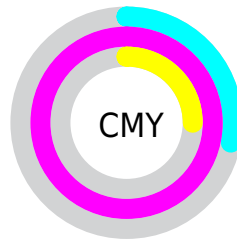
- Red (72%)
- Green (0%)
- Blue (75%)



- Red (72%)
- Yellow (0%)
- Blue (75%)



- Cyan (4%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (28%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1711, 13.9519, 50.4457 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 29.1711, 13.9519, 50.4457 by changing the saturation by 10% instead.

 29.1711, 13.9519,
50.4457


 29.1711, 13.9519,
50.4457

290.0011,
216.9314, 405.1912

 19.3552, 8.0872,
35.3940


 57.7445, 33.0037,
92.2380


 12.0328, 4.1508,
23.6806


 77.2327, 46.9595,
119.8157


 6.8384, 1.7583,
14.8868


 100.6758, 64.3812,
152.4058

 3.4066, 0.4610,
8.5943

 128.4391, 85.6532,
190.4268

 1.3723, 0.0000,
4.3843

 160.8879,
111.1598, 234.2973

 0.2363, 0.0000,
1.8385

 198.3875,

 0.0000, 0.0000,

141.2854, 284.4359

0.4531

241.3035,
176.4145, 341.2610

■ 0.0000, 0.0000,
0.0000

■ 29.1711, 13.9519,
50.4457

■ 29.1711, 13.9519,
50.4457

■ 29.1713, 13.9520,
50.4459

■ 29.5745, 14.5086,
50.5321

■ 30.2087, 15.5262,
50.6951

■ 31.1573, 17.1713,
50.9626

■ 32.4624, 19.5282,
51.3488

■ 34.1595, 22.6681,
51.8654

■ 36.2801, 26.6534,
52.5229

■ 38.8522, 31.5406,
53.3306

■ 41.9014, 37.3810,
54.2972

■ 45.4517, 44.2221,
55.4305

Harmonies

Analogous

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



20.8008, 13.9519, 88.8461



29.1711, 13.9519, 50.4457



33.2591, 13.9519, 17.6020

Triad

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



29.1711, 13.9519, 50.4457



14.0779, 13.9519, 0.0000



4.1572, 13.9519, 42.1108

Complementary

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



29.1711, 13.9519, 50.4457



18.7188, 37.3071, 6.2150

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.



3.4980, 13.9519, 13.0114



29.1711, 13.9519, 50.4457



7.8065, 13.9519, 0.0000

Square

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



29.1711, 13.9519, 50.4457



22.7300, 13.9519, 0.0000



4.5378, 13.9519, 1.9925



6.8723, 13.9519, 81.6076

Rectangle

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



29.1711, 13.9519, 50.4457



32.1879, 13.9519, 6.1711



4.5378, 13.9519, 1.9925



3.7449, 13.9519, 30.3441

Sweetspot

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



29.1717, 13.9525, 50.4460



69.3414, 56.0259, 95.4385



9.5081, 3.9694, 49.5554



14.7764, 11.4453, 20.8156



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.



29.1717, 13.9525, 50.4460



52.1983, 24.9636, 90.3464



24.0390, 12.0980, 14.4486



9.8945, 9.6780, 12.0187



19.1864, 9.1770, 33.1530



0.7624, 0.3651, 1.2991

Inverse Universe

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



21.5246, 11.0922, 1.2081



38.5310, 19.8577, 2.0624



20.3093, 37.9331, 15.0473



9.5440, 9.5419, 9.9875



14.1520, 7.2919, 0.8280



0.5592, 0.2876, 0.0582

Previews

White Background



This preview shows how the XYZ color 29.1711, 13.9519, 50.4457 looks on a white background.

Color Contrast Check

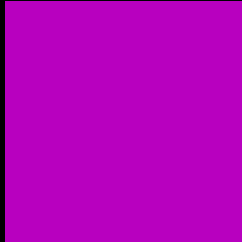
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1711, 13.9519, 50.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

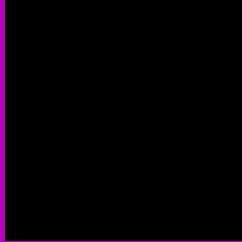
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1711, 13.9519, 50.4457

Background



This preview shows how black text looks on a background with the XYZ color 29.1711, 13.9519, 50.4457.



This preview shows how white text looks on a background with the XYZ color 29.1711, 13.9519,

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

29.1711, 13.9519, 50.4457

Protanopia

17.3746, 14.7102, 67.5693

Deuteranopia

15.0715, 14.6229, 45.2082



Tritanopia

20.7586, 14.2693, 9.2496

Trichromacy



Original Color

29.1711, 13.9519, 50.4457



Protanomaly

15.6481, 9.6438, 60.7112



Deuteranomaly

16.1983, 10.4197, 46.5049



Tritanomaly

22.3516, 12.7001, 19.0426

Monochromacy



Original Color

29.1711, 13.9519, 50.4457



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 29.1711, 13.9519, 50.4457 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(184, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 191)  
}
```

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(184, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 29.1711, 13.9519, 50.4457 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(184, 0, 191) }
```


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

```
.border{ border-color:rgb(184, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1711, 13.9519, 50.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 191) }
```

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

```
.background{ background-color: rgb(184, 0,  
191) }
```

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