

Converting Colors

XYZ(29.8186, 14.2825, 50.6198)

Have a look what the booklet for
XYZ(29.8186, 14.2825, 50.6198)
contains.

XYZ(29.8975, 14.3264, 50.4797)	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(29.8975, 14.3264,
50.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	BB00BF
RGB	187, 0, 191
RGB Percent	73%, 0%, 75%
CMY	0.2667, 0.9999, 0.2510
CMYK	0.02, 1.00, 0.00, 0.25
HSL	299°, 100%, 37%
HSV	299°, 100%, 75%
XYZ	29.8975, 14.3264, 50.4797
YIQ	77.6870, 50.1410, 99.0450

Conversions

Conversions Part 2

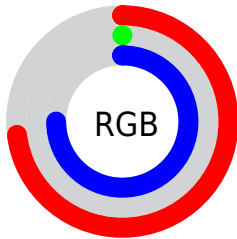
Format	Color
R_{YB}	187, 0, 191
Decimal	12255423
CIE _{Lab}	44.70, 78.42, -50.14
CIE _{LCh}	45, 93.078, 327.404
Yxy	14.3264, 0.3157, 0.1513
Android (android.graphics.Color)	4290445503 (0xFFBB00BF)
YUV	77.6870, 55.8633, 95.8675
Hunter-Lab	37.8502, 74.7574, -52.5781

Details

The XYZ color **29.8975, 14.3264, 50.4797** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.6813, 37.2877, 6.2133**, and the grayscale version is **7.0770, 7.4456, 8.1082**.

A 20% lighter version of the original color is **58.8734, 33.6962, 92.2080**, and **13.5686, 6.4733, 24.2012** is the 20% darker color. If you saturate the color by 10%, you get **29.8977, 14.3265, 50.4799**, and if you desaturate by 10%, it is **30.2308, 14.8470, 50.5628**.

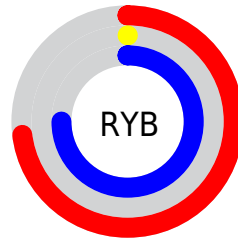
Distribution



Red (73%)

Green (0%)

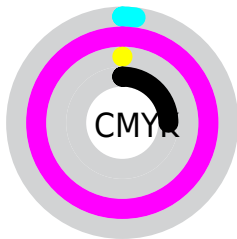
Blue (75%)



Red (73%)

Yellow (0%)

Blue (75%)

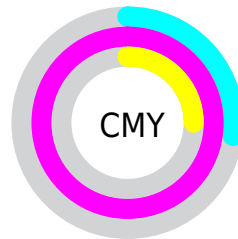


Cyan (2%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (27%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8975, 14.3264, 50.4797 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 29.8975, 14.3264, 50.4797 by changing the saturation by 10% instead.

 29.8975, 14.3264,
50.4797


 29.8975, 14.3264,
50.4797


293.3448,
219.2520, 405.3276


 19.9085, 8.3480,
35.4209


 58.8878, 33.6671,
92.2888

 12.4364, 4.3184,
23.7011

 78.6198, 47.7981,
119.8762


 7.1159, 1.8532,
14.9019


 102.3301, 65.4156,
152.4768

 3.5817, 0.5200,
8.6047

 130.3842, 86.9038,
190.5092

 1.4683, 0.0000,
4.3910

 163.1473,
112.6471, 234.3920

 0.3041, 0.0000,
1.8422

 200.9849,

 0.0000, 0.0000,

143.0300, 284.5436

0.4556

244.2623,
178.4369, 341.3826

■ 0.0000, 0.0000,
0.0000

■ 29.8975, 14.3264,
50.4797

■ 29.8975, 14.3264,
50.4797

■ 29.8977, 14.3265,
50.4799

■ 30.2308, 14.8470,
50.5628

■ 30.7944, 15.8282,
50.7225

■ 31.6718, 17.4368,
50.9867

■ 32.9051, 19.7568,
51.3695

■ 34.5300, 22.8594,
51.8828

■ 36.5777, 26.8073,
52.5369

■ 39.0763, 31.6568,
53.3412

■ 42.0517, 37.4591,
54.3044

■ 45.5274, 44.2619,
55.4342

Harmonies

Analogous

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



21.4611, 14.3264, 89.4059



29.8975, 14.3264, 50.4797



33.9061, 14.3264, 17.5608

Triad

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



29.8975, 14.3264, 50.4797



14.2856, 14.3264, 0.0000



4.3606, 14.3264, 43.6688

Complementary

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



29.8975, 14.3264, 50.4797



18.6813, 37.2877, 6.2133

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.



3.6471, 14.3264, 13.7891



29.8975, 14.3264, 50.4797



7.9632, 14.3264, 0.0000

Square

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



29.8975, 14.3264, 50.4797



23.0422, 14.3264, 0.0000



4.6760, 14.3264, 2.2044



7.1923, 14.3264, 83.5043

Rectangle

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



29.8975, 14.3264, 50.4797



32.7251, 14.3264, 6.1677



4.6760, 14.3264, 2.2044



3.9241, 14.3264, 31.6546

Sweetspot

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



29.8981, 14.3271, 50.4800



69.7486, 56.2358, 95.4576



9.4736, 3.9004, 49.5439



14.8781, 11.4977, 20.8204



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.



29.8981, 14.3271, 50.4800



53.5191, 25.6445, 90.4082



23.8784, 12.0338, 13.6027



9.9097, 9.6858, 12.0195



19.6574, 9.4198, 33.1750



0.7763, 0.3722, 1.2998

Inverse Universe

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



21.5082, 11.0857, 1.1216



38.5097, 19.8492, 1.9503



20.4404, 37.9856, 15.7379



9.5381, 9.5395, 9.9564



14.1384, 7.2865, 0.7563



0.5566, 0.2865, 0.0444

Previews

White Background



This preview shows how the XYZ color 29.8975, 14.3264, 50.4797 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 29.8975, 14.3264, 50.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

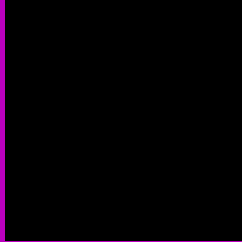
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.8975, 14.3264, 50.4797

Background



This preview shows how black text looks on a background with the XYZ color 29.8975, 14.3264, 50.4797.



This preview shows how white text looks on a background with the XYZ color 29.8975, 14.3264,

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

29.8975, 14.3264, 50.4797

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

15.5703, 15.1932, 45.2920



Tritanopia

21.6432, 14.7253, 9.2910

Trichromacy



Original Color

29.8975, 14.3264, 50.4797



Protanomaly

15.8407, 9.7288, 61.3646



Deuteranomaly

16.7237, 10.7811, 46.5469



Tritanomaly

23.0375, 13.0537, 19.0747

Monochromacy



Original Color

29.8975, 14.3264, 50.4797



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9416, 7.4647, 18.2642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8975, 14.3264, 50.4797 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(187, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 29.8975, 14.3264, 50.4797 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(187, 0, 191) }
```


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

```
.border{ border-color:rgb(187, 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(187, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(187, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8975, 14.3264, 50.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 191) }
```

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

```
.background{ background-color: rgb(187, 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