

Converting Colors

XYZ(29.5001, 14.6767, 25.3793)

Have a look what the booklet for
XYZ(29.5001, 14.6767, 25.3793)
contains.

XYZ(29.4893, 14.6723, 25.3225)	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(29.4893, 14.6723,
25.3225)**

Conversions

Conversions Part 1

Format	Color
Hex	CC008A
RGB	204, 0, 138
RGB Percent	80%, 0%, 54%
CMY	0.2000, 0.9999, 0.4588
CMYK	0.00, 1.00, 0.32, 0.20
HSL	319°, 100%, 40%
HSV	319°, 100%, 80%
XYZ	29.4893, 14.6723, 25.3225
YIQ	76.7280, 77.2860, 86.1660

Conversions

Conversions Part 2

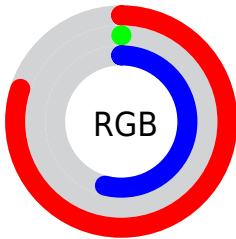
Format	Color
RYB	204, 0, 138
Decimal	13369482
CIELab	45.18, 74.77, -17.51
CIELCh	45, 76.796, 346.823
Yxy	14.6723, 0.4244, 0.2112
Android (android.graphics.Color)	4291559562 (0xFFCC008A)
YUV	76.7280, 30.2071, 111.6175
Hunter-Lab	38.3044, 70.3884, -12.3826

Details

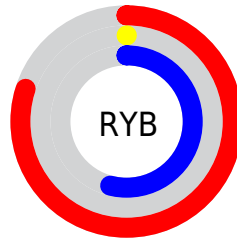
The XYZ color **29.4893, 14.6723, 25.3225** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.5777, 43.5798, 12.3812**, and the grayscale version is **6.9428, 7.3044, 7.9545**.

A 20% lighter version of the original color is **54.3268, 32.2105, 53.2231**, and **13.2631, 6.6339, 9.8139** is the 20% darker color. If you saturate the color by 10%, you get **29.4886, 14.6721, 25.3186**, and if you desaturate by 10%, it is **30.2399, 15.3852, 28.0030**.

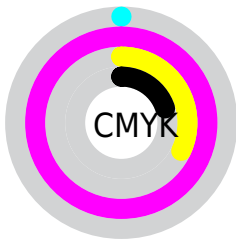
Distribution



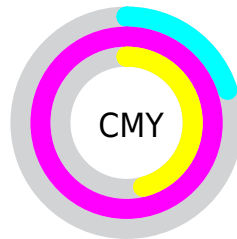
- Red (80%)
- Green (0%)
- Blue (54%)



- Red (80%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4893, 14.6723, 25.3225 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 29.4893, 14.6723, 25.3225 by changing the saturation by 10% instead.


 29.4893, 14.6723,
25.3225


 29.4893, 14.6723,
25.3225

291.4694,
221.3741, 292.9391


 19.5974, 8.5897,
16.0963


 58.2458, 34.2773,
53.1505


 12.2093, 4.4746,
9.4372


 77.8411, 48.5684,
72.5894


 6.9596, 1.9424,
4.9268


 101.4016, 66.3646,
96.2696

 3.4830, 0.5737,
2.1464

 129.2926, 88.0502,
124.6097

 1.4140, 0.0000,
0.6432

 161.8796,
114.0095, 158.0281

 0.2662, 0.0000,
0.0000

 199.5278,

 0.0000, 0.0000,

144.6270, 196.9435

0.0000

242.6026,
180.2870, 241.7743

■ 29.4893, 14.6723,
25.3225

■ 29.4893, 14.6723,
25.3225

■ 29.4886, 14.6721,
25.3186

■ 30.2399, 15.3852,
28.0030

■ 31.2915, 16.6527,
30.9294

■ 32.7378, 18.6617,
34.1357

■ 34.6291, 21.5118,
37.6408

■ 37.0078, 25.2872,
41.4613

■ 39.9112, 30.0617,
45.6117

■ 43.3729, 35.9017,
50.1054

■ 47.4235, 42.8679,
54.9548

■ 52.0914, 51.0163,
60.1715

Harmonies

Analogous

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



24.8503, 14.6723, 53.7183



29.4893, 14.6723, 25.3225



29.1600, 14.6723, 7.8557

Triad

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



29.4893, 14.6723, 25.3225



10.7084, 14.6723, 0.3070



7.1600, 14.6723, 57.3193

Complementary

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



29.4893, 14.6723, 25.3225



22.5777, 43.5798, 12.3812

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.



5.2324, 14.6723, 28.3510



29.4893, 14.6723, 25.3225



6.8143, 14.6723, 2.0192

Square

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



29.4893, 14.6723, 25.3225



16.9113, 14.6723, 0.2186



5.1288, 14.6723, 9.2688



11.3486, 14.6723, 79.7204

Rectangle

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



29.4893, 14.6723, 25.3225



26.1481, 14.6723, 2.8610



5.1288, 14.6723, 9.2688



6.2898, 14.6723, 47.3396

Sweetspot

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



29.4898, 14.6731, 25.3227



71.5776, 59.0271, 82.6650



13.0546, 5.4713, 57.4950



14.7751, 11.7093, 17.0003



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.4898, 14.6731, 25.3227



48.7332, 24.2573, 41.3888



25.2430, 12.9744, 2.9595



11.5271, 11.3396, 13.3104



18.6046, 9.2524, 16.1685



0.9936, 0.4909, 1.0122

Inverse Universe

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



29.4898, 14.6731, 25.3227



48.7332, 24.2573, 41.3888



28.5321, 45.9616, 43.7364



11.5271, 11.3396, 13.3104



18.6046, 9.2524, 16.1685



0.9936, 0.4909, 1.0122

Previews

White Background



This preview shows how the XYZ color 29.4893, 14.6723, 25.3225 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 29.4893, 14.6723, 25.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

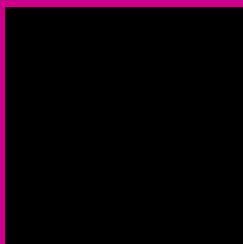
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.4893, 14.6723, 25.3225

Background



This preview shows how black text looks on a background with the XYZ color 29.4893, 14.6723, 25.3225.



This preview shows how white text looks on a background with the XYZ color 29.4893, 14.6723,

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

29.4893, 14.6723, 25.3225

Protanopia

17.4121, 15.4631, 54.8903

Deuteranopia

15.6506, 15.4154, 22.9195



Tritanopia

25.6109, 15.0759, 5.4310

Trichromacy



Original Color

29.4893, 14.6723, 25.3225



Protanomaly

17.0461, 10.8619, 42.2724



Deuteranomaly

17.7336, 11.7295, 23.1591



Tritanomaly

26.3391, 14.2334, 10.1632

Monochromacy



Original Color

29.4893, 14.6723, 25.3225



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5188, 7.3084, 12.6079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4893, 14.6723, 25.3225 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(204, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 138)  
}
```

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(204, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.4893, 14.6723, 25.3225 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(204, 0, 138) }
```


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

```
.border{ border-color:rgb(204, 0, 138) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4893, 14.6723, 25.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 138) }
```

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

```
.background{ background-color: rgb(204, 0,  
138) }
```

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