

Converting Colors

XYZ(29.3042, 14.4395, 31.5253)

Have a look what the booklet for
XYZ(29.3042, 14.4395, 31.5253)
contains.

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Color

**XYZ(29.3030, 14.4420,
31.3801)**

Conversions

Conversions Part 1

Format	Color
Hex	C70099
RGB	199, 0, 153
RGB Percent	78%, 0%, 60%
CMY	0.2196, 0.9999, 0.4000
CMYK	0.00, 1.00, 0.23, 0.22
HSL	314°, 100%, 39%
HSV	314°, 100%, 78%
XYZ	29.3030, 14.4420, 31.3801
YIQ	76.9430, 69.4910, 89.7710

Conversions

Conversions Part 2

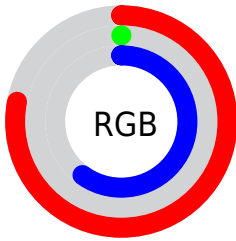
Format	Color
R_{YB}	199, 0, 153
Decimal	13041817
CIE _{Lab}	44.86, 75.45, -27.18
CIE _{LCh}	45, 80.192, 340.191
Yxy	14.4420, 0.3901, 0.1922
Android (android.graphics.Color)	4291231897 (0xFFC70099)
YUV	76.9430, 37.4961, 107.0440
Hunter-Lab	38.0026, 71.1329, -22.3560

Details

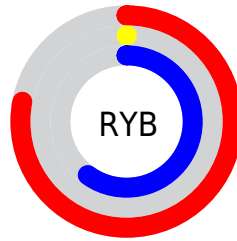
The XYZ color **29.3030, 14.4420, 31.3801** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.9177, 41.0449, 9.4079**, and the grayscale version is **6.9702, 7.3332, 7.9858**.

A 20% lighter version of the original color is **56.1975, 32.9588, 63.0743**, and **13.2135, 6.5348, 13.1353** is the 20% darker color. If you saturate the color by 10%, you get **29.3026, 14.4419, 31.3773**, and if you desaturate by 10%, it is **29.9395, 15.0949, 33.5036**.

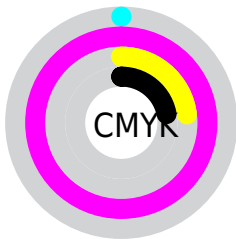
Distribution



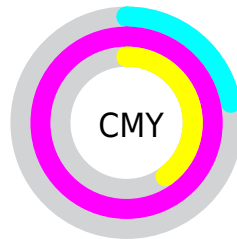
- Red (78%)
- Green (0%)
- Blue (60%)



- Red (78%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3030, 14.4420, 31.3801 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 29.3030, 14.4420, 31.3801 by changing the saturation by 10% instead.

 29.3030, 14.4420,
31.3801

 29.3030, 14.4420,
31.3801


290.6104,
219.9635, 322.6909


 19.4556, 8.4287,
20.6276


 57.9524, 33.8713,
62.9246


 12.1059, 4.3705,
12.6635


 77.4851, 48.0560,
84.5536


 6.8885, 1.8829,
7.0692


 100.9769, 65.7334,
110.6452

 3.4382, 0.5381,
3.4263

 128.7932, 87.2878,
141.6180

 1.3895, 0.0000,
1.3162

 161.2993,
113.1036, 177.8903

 0.2487, 0.0000,
0.0750

 198.8607,

 0.0000, 0.0000,

143.5652, 219.8809

0.0000

241.8426,
179.0571, 268.0083

■ 29.3030, 14.4420,
31.3801

■ 29.3030, 14.4420,
31.3801

■ 29.3026, 14.4419,
31.3773

■ 29.9395, 15.0949,
33.5036

■ 30.8460, 16.2642,
35.7900

■ 32.1119, 18.1284,
38.2702

■ 33.7842, 20.7812,
40.9604

■ 35.9025, 24.3014,
43.8747

■ 38.5015, 28.7585,
47.0254

■ 41.6125, 34.2147,
50.4236

■ 45.2642, 40.7270,
54.0796

■ 49.4830, 48.3480,
58.0029

Harmonies

Analogous

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



23.5584, 14.4420, 62.4720



29.3030, 14.4420, 31.3801



30.2181, 14.4420, 10.1699

Triad

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



29.3030, 14.4420, 31.3801



11.6178, 14.4420, 0.0000



6.1812, 14.4420, 52.3514

Complementary

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



29.3030, 14.4420, 31.3801



20.9177, 41.0449, 9.4079

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.



4.6907, 14.4420, 23.0048



29.3030, 14.4420, 31.3801



7.1002, 14.4420, 1.1337

Square

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



29.3030, 14.4420, 31.3801



18.4500, 14.4420, 0.1327



4.9629, 14.4420, 6.3982



9.8873, 14.4420, 79.8769

Rectangle

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



29.3030, 14.4420, 31.3801



27.7358, 14.4420, 3.6699



4.9629, 14.4420, 6.3982



5.4676, 14.4420, 41.7152

Sweetspot

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



29.3035, 14.4428, 31.3804



72.5920, 59.4329, 88.0070



11.3114, 4.6408, 54.3329



15.0186, 11.8067, 18.2826



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.



29.3035, 14.4428, 31.3804



51.2090, 25.2476, 54.4263



24.2775, 12.4324, 4.9136



10.9742, 10.7730, 12.8472



18.8770, 9.3004, 20.3599



0.9202, 0.4509, 1.1027

Inverse Universe

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



29.3035, 14.4428, 31.3804



51.2090, 25.2476, 54.4263



25.3536, 42.8192, 32.7668



10.9742, 10.7730, 12.8472



18.8770, 9.3004, 20.3599



0.9202, 0.4509, 1.1027

Previews

White Background



This preview shows how the XYZ color 29.3030, 14.4420, 31.3801 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

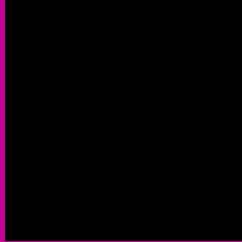
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.3030, 14.4420, 31.3801

Background



This preview shows how black text looks on a background with the XYZ color 29.3030, 14.4420, 31.3801.



This preview shows how white text looks on a background with the XYZ color 29.3030, 14.4420,

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

29.3030, 14.4420, 31.3801

Protanopia

18.1410, 15.4042, 67.6628

Deuteranopia

15.4712, 15.2079, 28.1066



Tritanopia

24.2513, 14.7971, 6.2806

Trichromacy



Original Color

29.3030, 14.4420, 31.3801



Protanomaly

16.1584, 10.1847, 52.1531



Deuteranomaly

17.4869, 11.4751, 28.8970



Tritanomaly

25.3101, 13.8329, 12.4023

Monochromacy



Original Color

29.3030, 14.4420, 31.3801



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.5333, 7.2815, 14.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3030, 14.4420, 31.3801 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(199, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 153)  
}
```

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(199, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.3030, 14.4420, 31.3801 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(199, 0, 153) }
```


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

```
.border{ border-color:rgb(199, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3030, 14.4420, 31.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 153) }
```

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

```
.background{ background-color: rgb(199, 0,  
153) }
```

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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