

# Converting Colors

XYZ(29.7710, 14.8664, 23.1277)

Have a look what the booklet for  
XYZ(29.7710, 14.8664, 23.1277)  
contains.

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# Color

**XYZ(29.8970, 14.9313,  
23.1361)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF0084
RGB	207, 0, 132
RGB Percent	81%, 0%, 52%
CMY	0.1882, 0.9999, 0.4824
CMYK	0.00, 1.00, 0.36, 0.19
HSL	322°, 100%, 41%
HSV	322°, 100%, 81%
XYZ	29.8970, 14.9313, 23.1361
YIQ	76.9410, 81.0000, 84.9360

# Conversions

## Conversions Part 2

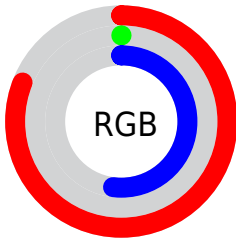
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 0, 132
Decimal	13566084
CIE <sub>Lab</sub>	45.54, 74.78, -13.24
CIE <sub>LCh</sub>	46, 75.947, 349.958
Yxy	14.9313, 0.4399, 0.2197
Android (android.graphics.Color)	4291756164 (0xFFCF0084)
YUV	76.9410, 27.1441, 114.0617
Hunter-Lab	38.6410, 70.4856, -8.4508

# Details

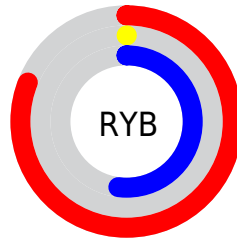
The XYZ color **29.8970, 14.9313, 23.1361** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **23.5845, 45.1344, 14.1317**, and the grayscale version is **6.9874, 7.3513, 8.0056**.

A 20% lighter version of the original color is **53.6531, 32.0751, 49.2622**, and **13.5940, 6.8276, 8.7850** is the 20% darker color. If you saturate the color by 10%, you get **29.8962, 14.9310, 23.1316**, and if you desaturate by 10%, it is **30.6925, 15.6709, 26.0258**.

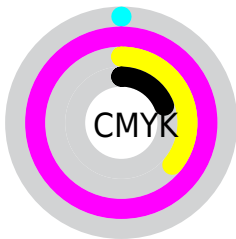
# Distribution



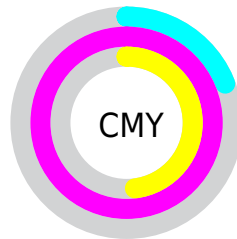
- Red (81%)
- Green (0%)
- Blue (52%)



- Red (81%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8970, 14.9313, 23.1361 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 29.8970, 14.9313, 23.1361 by changing the saturation by 10% instead.





 29.8970, 14.9313,  
23.1361


 29.8970, 14.9313,  
23.1361


293.3425,  
222.9500, 281.5678


 19.9081, 8.7712,  
14.4878


 58.8870, 34.7326,  
49.5427

 12.4361, 4.5922,  
8.3181


 78.6188, 49.1426,  
68.1381


 7.1157, 2.0101,  
4.2085


 102.3290, 67.0713,  
90.8863

 3.5816, 0.6133,  
1.7404

 130.3828, 88.9032,  
118.2058

 1.4682, 0.0000,  
0.3882

 163.1458,  
115.0226, 150.5152

 0.3041, 0.0000,  
0.0000

 200.9831,

 0.0000, 0.0000,

145.8140, 188.2329

0.0000

244.2603,  
181.6616, 231.7776

■ 29.8970, 14.9313,  
23.1361

■ 29.8970, 14.9313,  
23.1361

■ 29.8962, 14.9310,  
23.1316

■ 30.6925, 15.6709,  
26.0258

■ 31.8069, 16.9883,  
29.2076

■ 33.3370, 19.0754,  
32.7173

■ 35.3349, 22.0356,  
36.5759

■ 37.8450, 25.9565,  
40.8014

■ 40.9060, 30.9145,  
45.4102

■ 44.5530, 36.9786,  
50.4172

■ 48.8178, 44.2118,  
55.8360

■ 53.7302, 52.6722,  
61.6798

# Harmonies

## Analogous

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



25.7192, 14.9313, 50.6476



29.8970, 14.9313, 23.1361



29.0097, 14.9313, 7.0155

# Triad

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



29.8970, 14.9313, 23.1361



10.4243, 14.9313, 0.4986



7.7053, 14.9313, 60.3063

# Complementary

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



29.8970, 14.9313, 23.1361



23.5845, 45.1344, 14.1317

# 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.



5.5409, 14.9313, 31.3228



29.8970, 14.9313, 23.1361



6.7556, 14.9313, 2.5530

# Square

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



29.8970, 14.9313, 23.1361



16.4251, 14.9313, 0.2610



5.2546, 14.9313, 10.8986



12.1706, 14.9313, 80.5554



# Rectangle

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



29.8970, 14.9313, 23.1361



25.7360, 14.9313, 2.5642



5.2546, 14.9313, 10.8986



6.7486, 14.9313, 50.5650

# Sweetspot

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



29.8974, 14.9321, 23.1363



71.1636, 58.8615, 80.4850



13.9708, 5.9017, 59.4344



14.6762, 11.6697, 16.4795



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.



29.8974, 14.9321, 23.1363



47.8145, 23.8898, 36.5506



25.9809, 13.3655, 2.5123



12.1214, 11.9333, 13.9152



18.8827, 9.4259, 14.8201



1.0931, 0.5420, 1.0252



# Inverse Universe

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



29.8974, 14.9321, 23.1363



47.8145, 23.8898, 36.5506



30.1454, 47.7588, 48.6807



12.1214, 11.9333, 13.9152



18.8827, 9.4259, 14.8201



1.0931, 0.5420, 1.0252



# Previews

## White Background



This preview shows how the XYZ color 29.8970, 14.9313, 23.1361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

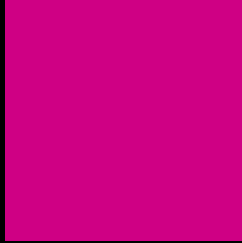
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.8970, 14.9313, 23.1361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

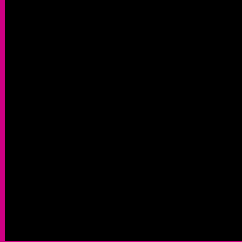
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 29.8970, 14.9313, 23.1361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.8970, 14.9313, 23.1361.



This preview shows how white text looks on a background with the XYZ color 29.8970, 14.9313,



# 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

29.8970, 14.9313, 23.1361

### Protanopia

17.2670, 15.6454, 50.2539

### Deuteranopia

15.9031, 15.5903, 20.9099



## Tritanopia

26.2510, 15.2789, 5.0556

# Trichromacy



## Original Color

29.8970, 14.9313, 23.1361



## Protanomaly

17.1610, 11.0990, 38.2836



## Deuteranomaly

18.0458, 11.9365, 21.0915



## Tritanomaly

26.9687, 14.5343, 9.3666

# Monochromacy



## Original Color

29.8970, 14.9313, 23.1361



## Achromatopsia

7.0540, 7.4214, 8.0819



## Achromatomaly

11.5682, 7.3448, 12.1172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.8970, 14.9313, 23.1361 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(207, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 132)  
}
```

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(207, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 29.8970, 14.9313, 23.1361 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(207, 0, 132) }
```



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

```
.border{ border-color:rgb(207, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.8970, 14.9313, 23.1361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 132) }
```

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

```
.background{ background-color: rgb(207, 0,  
132) }
```

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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