

# Converting Colors

XYZ(30.7026, 17.2377, 31.9871)

Have a look what the booklet for  
XYZ(30.7026, 17.2377, 31.9871)  
contains.

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# Color

**XYZ(30.7171, 17.2704,  
31.8515)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C73899
RGB	199, 56, 153
RGB Percent	78%, 22%, 60%
CMY	0.2196, 0.7804, 0.4000
CMYK	0.00, 0.72, 0.23, 0.22
HSL	319°, 56%, 50%
HSV	319°, 72%, 78%
XYZ	30.7171, 17.2704, 31.8515
YIQ	109.8150, 54.0910, 60.4830

# Conversions

## Conversions Part 2

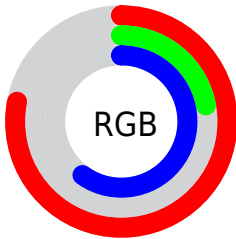
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 56, 153
Decimal	13056153
CIE <sub>Lab</sub>	48.60, 64.68, -21.39
CIE <sub>LCh</sub>	49, 68.125, 341.702
Yxy	17.2704, 0.3847, 0.2163
Android (android.graphics.Color)	4291246233 (0xFFC73899)
YUV	109.8150, 21.2902, 78.2152
Hunter-Lab	41.5577, 59.2113, -16.3519

# Details

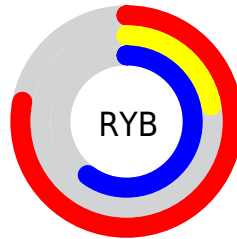
The XYZ color **30.7171, 17.2704, 31.8515** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.4536, 42.6474, 19.5157**, and the grayscale version is **14.6993, 15.4649, 16.8412**.

A 20% lighter version of the original color is **58.7559, 38.0755, 63.9270**, and **13.3828, 6.6220, 13.1432** is the 20% darker color. If you saturate the color by 10%, you get **29.4224, 15.5045, 28.8808**, and if you desaturate by 10%, it is **32.4244, 19.8157, 35.1000**.

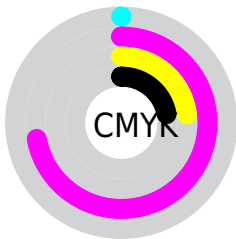
# Distribution



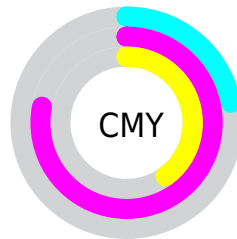
- Red (78%)
- Green (22%)
- Blue (60%)



- Red (78%)
- Yellow (22%)
- Blue (60%)



- Cyan (0%)
- Magenta (72%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (78%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7171, 17.2704, 31.8515 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 30.7171, 17.2704, 31.8515 by changing the saturation by 10% instead.




 30.7171, 17.2704,  
31.8515


 30.7171, 17.2704,  
31.8515


297.0831,  
236.7258, 324.9141

 20.5343, 10.4275,  
20.9842


 60.1733, 38.7901,  
63.6734

 12.8945, 5.6833,  
12.9213


 80.1774, 54.2357,  
85.4651


 7.4325, 2.6535,  
7.2443


 104.1859, 73.3176,  
111.7354

 3.7827, 0.9536,  
3.5346

 132.5643, 96.4202,  
142.9028

 1.5800, 0.0000,  
1.3737

 165.6778,  
123.9279, 179.3858

 0.3793, 0.0000,  
0.1211

203.8919,

 0.0000, 0.0000,

156.2252, 221.6030

0.0000

247.5719,  
193.6964, 269.9729

■ 30.7171, 17.2704,  
31.8515

■ 30.7171, 17.2704,  
31.8515

■ 29.4224, 15.5045,  
28.8808

■ 32.4244, 19.8157,  
35.1000

■ 28.4898, 14.4182,  
26.1685

■ 34.5837, 23.2191,  
38.6411

■ 27.9252, 13.8909,  
24.1245

■ 37.2313, 27.5524,  
42.4892

■ 40.3995, 32.8794,  
46.6570

■ 44.1174, 39.2579,  
51.1563

■ 48.4123, 46.7413,  
55.9981

■ 53.3092, 55.3797,  
61.1926

■ 58.8319, 65.2196,  
66.7497

■ 65.0027, 76.3053,  
72.6786

# Harmonies

## Analogous

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



25.8056, 17.2704, 58.1228



30.7171, 17.2704, 31.8515



31.2652, 17.2704, 12.6384

# Triad

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



30.7171, 17.2704, 31.8515



14.0906, 17.2704, 1.2131



8.9626, 17.2704, 52.3670

# Complementary

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



30.7171, 17.2704, 31.8515



24.4536, 42.6474, 19.5157

# 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.



7.2178, 17.2704, 26.7071



30.7171, 17.2704, 31.8515



9.6336, 17.2704, 3.0161

# Square

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



30.7171, 17.2704, 31.8515



20.4957, 17.2704, 1.3860



7.4273, 17.2704, 9.9184



12.9154, 17.2704, 74.2733



# Rectangle

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



30.7171, 17.2704, 31.8515



28.9475, 17.2704, 5.8757



7.4273, 17.2704, 9.9184



8.1500, 17.2704, 43.3900

# Sweetspot

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



30.7177, 17.2713, 31.8518



76.9196, 68.1725, 89.1891



17.1228, 9.7362, 55.0098



16.0622, 13.8988, 18.6152



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.



30.7177, 17.2713, 31.8518



50.5610, 25.9833, 47.9465



26.4994, 15.5840, 9.6388



10.9323, 10.7563, 12.6269



17.9979, 8.9487, 15.7308



0.8842, 0.4365, 0.9136



# Inverse Universe

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



30.7177, 17.2713, 31.8518



50.5610, 25.9833, 47.9465



29.5769, 44.6968, 46.4947



10.9323, 10.7563, 12.6269



17.9979, 8.9487, 15.7308



0.8842, 0.4365, 0.9136



# Previews

## White Background



This preview shows how the XYZ color 30.7171, 17.2704, 31.8515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

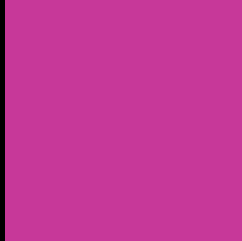
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7171, 17.2704, 31.8515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

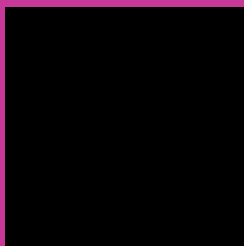
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 30.7171, 17.2704, 31.8515**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7171, 17.2704, 31.8515.



This preview shows how white text looks on a background with the XYZ color 30.7171, 17.2704,



# 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

30.7171, 17.2704, 31.8515

### Protanopia

19.4064, 17.5929, 55.7990

### Deuteranopia

17.9382, 17.5897, 29.2378



## Tritanopia

26.1692, 17.2544, 9.9338

# Trichromacy



## Original Color

30.7171, 17.2704, 31.8515



## Protanomaly

20.4390, 15.2426, 46.1208



## Deuteranomaly

20.7612, 15.8961, 29.9910



## Tritanomaly

27.3406, 16.9411, 16.0163

# Monochromacy



## Original Color

30.7171, 17.2704, 31.8515



## Achromatopsia

14.8208, 15.5926, 16.9804



## Achromatomaly

18.5774, 14.5695, 21.5717

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7171, 17.2704, 31.8515 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, 56, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 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, 56, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7171, 17.2704, 31.8515 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, 56, 153) }
```



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

```
.border{ border-color:rgb(199, 56, 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, 56, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7171, 17.2704, 31.8515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 153) }
```

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

```
.background{ background-color: rgb(199, 56,  
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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