

Converting Colors

XYZ(31.3955, 17.8881, 36.9200)

Have a look what the booklet for
XYZ(31.3955, 17.8881, 36.9200)
contains.

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Color

**XYZ(31.3955, 17.8881,
36.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	C53DA4
RGB	197, 61, 164
RGB Percent	77%, 24%, 64%
CMY	0.2274, 0.7608, 0.3569
CMYK	0.00, 0.69, 0.17, 0.23
HSL	315°, 54%, 51%
HSV	315°, 69%, 77%
XYZ	31.3955, 17.8881, 36.9200
YIQ	113.4060, 47.9930, 60.8650

Conversions

Conversions Part 2

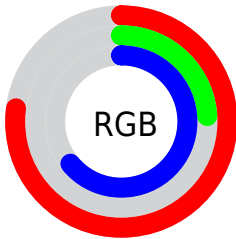
Format	Color
RYB	197, 61, 164
Decimal	12926372
CIELab	49.36, 63.91, -26.77
CIELCh	49, 69.289, 337.268
Yxy	17.8881, 0.3642, 0.2075
Android (android.graphics.Color)	4291116452 (0xFFC53DA4)
YUV	113.4060, 24.9428, 73.3119
Hunter-Lab	42.2943, 58.4873, -22.1500

Details

The XYZ color **31.3955, 17.8881, 36.9200** 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 **23.9120, 41.7333, 17.3864**, and the grayscale version is **15.7357, 16.5552, 18.0286**.

A 20% lighter version of the original color is **60.6230, 39.5681, 71.4601**, and **13.5721, 6.6588, 15.8992** is the 20% darker color. If you saturate the color by 10%, you get **30.1068, 15.9884, 34.4004**, and if you desaturate by 10%, it is **33.0877, 20.5682, 39.6545**.

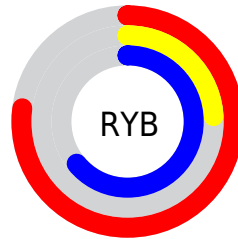
Distribution



Red (77%)

Green (24%)

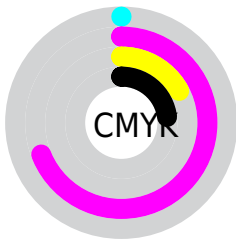
Blue (64%)



Red (77%)

Yellow (24%)

Blue (64%)

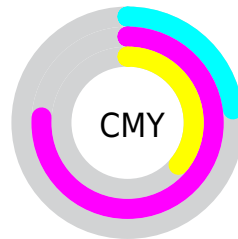


Cyan (0%)

Magenta (69%)

Yellow (17%)

Black (23%)



Cyan (23%)


Magenta (76%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3955, 17.8881, 36.9200 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 31.3955, 17.8881, 36.9200 by changing the saturation by 10% instead.

 31.3955, 17.8881,
36.9200


 31.3955, 17.8881,
36.9200


300.1507,
240.2396, 348.1223


 21.0535, 10.8697,
24.8503


 61.2338, 39.8466,
71.6347

 13.2758, 5.9793,
15.7475


 81.4609, 55.5554,
95.1167


 7.6970, 2.8325,
9.1933


 105.7136, 74.9298,
123.2399

 3.9519, 1.0449,
4.7689

 134.3575, 98.3542,
156.4228

 1.6749, 0.0000,
2.0560

 167.7577,
126.2130, 195.0839

 0.4405, 0.0000,
0.5894

206.2798,

 0.0000, 0.0000,

158.8905, 239.6419

0.0000

250.2890,
196.7713, 290.5151

■ 31.3955, 17.8881,
36.9200

■ 31.3955, 17.8881,
36.9200

■ 30.1068, 15.9884,
34.4004

■ 33.0877, 20.5682,
39.6545

■ 29.1750, 14.7771,
32.0788

■ 35.2197, 24.1020,
42.6164

■ 28.5244, 14.1028,
29.9292

■ 37.8257, 28.5572,
45.8180

■ 28.4666, 14.0466,
29.7270

■ 40.9360, 33.9943,
49.2704

■ 44.5783, 40.4682,
52.9834

■ 48.7781, 48.0299,
56.9666

■ 53.5595, 56.7272,
61.2286

■ 58.9449, 66.6047,
65.7778

■ 64.9557, 77.7049,
70.6219

Harmonies

Analogous

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



25.7860, 17.8881, 64.3406



31.3955, 17.8881, 36.9200



32.7289, 17.8881, 15.2763

Triad

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



31.3955, 17.8881, 36.9200



15.4639, 17.8881, 1.1560



8.8453, 17.8881, 50.3381

Complementary

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



31.3955, 17.8881, 36.9200



23.9120, 41.7333, 17.3864

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.



7.3472, 17.8881, 24.3850



31.3955, 17.8881, 36.9200



10.4809, 17.8881, 2.5941

Square

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



31.3955, 17.8881, 36.9200



22.3250, 17.8881, 1.5801



7.8579, 17.8881, 8.6313



12.6006, 17.8881, 74.9577

Rectangle

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



31.3955, 17.8881, 36.9200



30.7682, 17.8881, 7.2184



7.8579, 17.8881, 8.6313



8.1115, 17.8881, 41.0095

Sweetspot

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



31.3961, 17.8890, 36.9203



78.2596, 69.6546, 93.3288



16.2350, 9.6830, 53.8370



16.3517, 14.1984, 19.5734



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.



31.3961, 17.8890, 36.9203



52.9727, 27.3557, 59.3896



26.8656, 16.0768, 13.0630



10.9688, 10.7709, 12.8191



18.7580, 9.2527, 19.7331



0.9154, 0.4490, 1.0776

Inverse Universe

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



31.3961, 17.8890, 36.9203



52.9727, 27.3557, 59.3896



28.3010, 43.4889, 40.4987



10.9688, 10.7709, 12.8191



18.7580, 9.2527, 19.7331



0.9154, 0.4490, 1.0776

Previews

White Background



This preview shows how the XYZ color 31.3955, 17.8881, 36.9200 looks on a white background.

Color Contrast Check

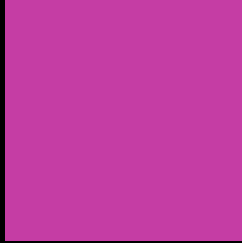
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3955, 17.8881, 36.9200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

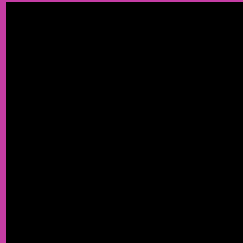
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3955, 17.8881, 36.9200

Background



This preview shows how black text looks on a background with the XYZ color 31.3955, 17.8881, 36.9200.



This preview shows how white text looks on a background with the XYZ color 31.3955, 17.8881,

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

31.3955, 17.8881, 36.9200

Protanopia

20.4176, 18.3114, 62.1328

Deuteranopia

18.5528, 18.1423, 33.9765



Tritanopia

26.1316, 17.8549, 11.5203

Trichromacy



Original Color

31.3955, 17.8881, 36.9200

Protanomaly

21.2144, 15.9121, 51.8224

Deuteranomaly

21.4254, 16.5317, 34.8626

Tritanomaly

27.6608, 17.6306, 18.4682

Monochromacy



Original Color

31.3955, 17.8881, 36.9200

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.6692, 15.6006, 23.8043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3955, 17.8881, 36.9200 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(197, 61, 164)` looks like.

```
.text, #text, p{  
    color:rgb(197, 61, 164)  
}
```

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(197, 61, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 61, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.3955, 17.8881, 36.9200 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(197, 61, 164) }
```


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

```
.border{ border-color:rgb(197, 61, 164) }
```

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

Here you see how a box with a 4 pixel rgb(197, 61, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 61, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 61, 164);  
box-shadow:4px 4px 4px 4px rgb(197, 61,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3955, 17.8881, 36.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 61, 164) }
```

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

```
.background{ background-color: rgb(197, 61,  
164) }
```

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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