

Converting Colors

XYZ(28.7166, 16.1122, 23.6346)

Have a look what the booklet for
XYZ(28.7166, 16.1122, 23.6346)
contains.

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Color

**XYZ(28.7503, 16.1552,
23.7933)**

Conversions

Conversions Part 1

Format	Color
Hex	C63485
RGB	198, 52, 133
RGB Percent	78%, 20%, 52%
CMY	0.2235, 0.7960, 0.4784
CMYK	0.00, 0.74, 0.33, 0.22
HSL	327°, 58%, 49%
HSV	327°, 74%, 78%
XYZ	28.7503, 16.1552, 23.7933
YIQ	104.8880, 61.0150, 56.1430

Conversions

Conversions Part 2

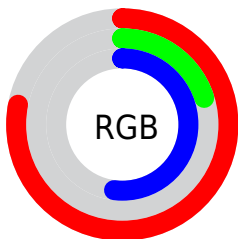
Format	Color
R_{YB}	198, 52, 133
Decimal	12989573
CIE _{Lab}	47.18, 63.32, -11.54
CIE _{LCh}	47, 64.364, 349.673
Yxy	16.1552, 0.4185, 0.2352
Android (android.graphics.Color)	4291179653 (0xFFC63485)
YUV	104.8880, 13.8592, 81.6592
Hunter-Lab	40.1935, 57.3418, -6.9623

Details

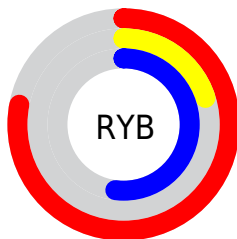
The XYZ color **28.7503, 16.1552, 23.7933** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **24.8222, 42.4030, 23.7088**, and the grayscale version is **13.3502, 14.0455, 15.2955**.

A 20% lighter version of the original color is **55.7874, 36.1740, 50.4963**, and **12.2088, 6.1135, 8.7202** is the 20% darker color. If you saturate the color by 10%, you get **27.4607, 14.5100, 20.4835**, and if you desaturate by 10%, it is **30.4624, 18.5634, 27.4964**.

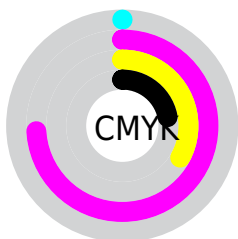
Distribution



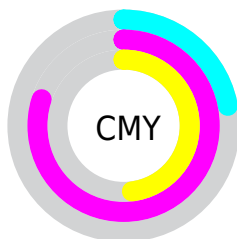
- Red (78%)
- Green (20%)
- Blue (52%)



- Red (78%)
- Yellow (20%)
- Blue (52%)



- Cyan (0%)
- Magenta (74%)
- Yellow (33%)
- Black (22%)





- Cyan (22%)
- Magenta (80%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7503, 16.1552, 23.7933 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 28.7503, 16.1552, 23.7933 by changing the saturation by 10% instead.

 28.7503, 16.1552,
23.7933


 28.7503, 16.1552,
23.7933


288.0505,
230.2558, 285.0266


 19.0353, 9.6340,
14.9696


 57.0804, 36.8674,
50.6323

 11.8000, 5.1570,
8.6517


 76.4263, 51.8273,
69.4846


 6.6789, 2.3397,
4.4210


 99.7132, 70.3688,
92.5169

 3.3066, 0.7946,
1.8590

 127.3065, 92.8765,
120.1477

 1.3179, 0.0000,
0.4665

 159.5715,
119.7346, 152.7955

 0.1966, 0.0000,
0.0000

196.8736,

 0.0000, 0.0000,

151.3276, 190.8789

0.0000

239.5781,
188.0399, 234.8165

■ 28.7503, 16.1552,
23.7933

■ 28.7503, 16.1552,
23.7933

■ 27.4607, 14.5100,
20.4835

■ 30.4624, 18.5634,
27.4964

■ 26.5410, 13.5251,
17.5430

■ 32.6381, 21.8150,
31.6121

■ 26.0947, 13.1282,
15.8661

■ 35.3148, 25.9830,
36.1587

■ 38.5256, 31.1317,
41.1528

■ 42.3005, 37.3195,
46.6098

■ 46.6673, 44.6003,
52.5444

■ 51.6520, 53.0243,
58.9701

■ 57.2787, 62.6383,
65.9000

■ 63.5706, 73.4868,
73.3467

Harmonies

Analogous

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



25.2410, 16.1552, 46.4700



28.7503, 16.1552, 23.7933



28.0584, 16.1552, 9.0426

Triad

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



28.7503, 16.1552, 23.7933



11.9736, 16.1552, 1.5354



9.3317, 16.1552, 53.6789

Complementary

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



28.7503, 16.1552, 23.7933



24.8222, 42.4030, 23.7088

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.



7.2152, 16.1552, 30.3143



28.7503, 16.1552, 23.7933



8.4604, 16.1552, 4.1438

Square

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



28.7503, 16.1552, 23.7933



17.3908, 16.1552, 1.2910



6.9412, 16.1552, 12.5715



13.4847, 16.1552, 69.5559

Rectangle

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



28.7503, 16.1552, 23.7933



25.3525, 16.1552, 4.2487



6.9412, 16.1552, 12.5715



8.4068, 16.1552, 45.9506

Sweetspot

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



28.7508, 16.1561, 23.7936



75.9265, 67.7753, 83.9597



18.5275, 10.1974, 54.4178



15.8270, 13.8047, 17.3767



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.



28.7508, 16.1561, 23.7936



47.6436, 24.5888, 33.2851



25.3796, 14.8076, 6.0409



10.8760, 10.7338, 12.3304



17.0137, 8.5550, 10.5480



0.8417, 0.4195, 0.6894

Inverse Universe

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



28.7508, 16.1561, 23.7936



47.6436, 24.5888, 33.2851



30.7167, 44.7608, 54.7489



10.8760, 10.7338, 12.3304



17.0137, 8.5550, 10.5480



0.8417, 0.4195, 0.6894

Previews

White Background



This preview shows how the XYZ color 28.7503, 16.1552, 23.7933 looks on a white background.

Color Contrast Check

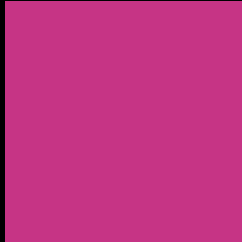
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7503, 16.1552, 23.7933 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 28.7503, 16.1552, 23.7933

Background



This preview shows how black text looks on a background with the XYZ color 28.7503, 16.1552, 23.7933.



This preview shows how white text looks on a background with the XYZ color 28.7503, 16.1552,

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

28.7503, 16.1552, 23.7933

Protanopia

17.5409, 16.5985, 42.3237

Deuteranopia

16.7488, 16.4841, 21.7010



Tritanopia

25.5789, 16.2066, 8.0834

Trichromacy



Original Color

28.7503, 16.1552, 23.7933

Protanomaly

18.9674, 14.4827, 34.5966

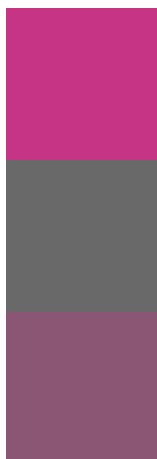
Deuteranomaly

19.5013, 14.9063, 22.2715

Tritanomaly

26.3487, 15.9833, 12.5228

Monochromacy



Original Color

28.7503, 16.1552, 23.7933

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.0698, 13.3823, 17.9030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7503, 16.1552, 23.7933 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(198, 52, 133)` looks like.

```
.text, #text, p{  
    color:rgb(198, 52, 133)  
}
```

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(198, 52, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 52, 133) }
```

Border

The CSS property to change the border of an element to XYZ 28.7503, 16.1552, 23.7933 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(198, 52, 133) }
```


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

```
.border{ border-color:rgb(198, 52, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 52, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 52, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 52, 133);  
box-shadow:4px 4px 4px 4px rgb(198, 52,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7503, 16.1552, 23.7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 52, 133) }
```

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

```
.background{ background-color: rgb(198, 52,  
133) }
```

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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