

Converting Colors

XYZ(37.3137, 22.0005, 57.5394)

Have a look what the booklet for
XYZ(37.3137, 22.0005, 57.5394)
contains.

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Color

**XYZ(37.2839, 21.9423,
57.5286)**

Conversions

Conversions Part 1

Format	Color
Hex	C94DC9
RGB	201, 77, 201
RGB Percent	79%, 30%, 79%
CMY	0.2118, 0.6980, 0.2118
CMYK	0.00, 0.62, 0.00, 0.21
HSL	300°, 53%, 55%
HSV	300°, 62%, 79%
XYZ	37.2839, 21.9423, 57.5286
YIQ	128.2120, 34.1000, 64.8520

Conversions

Conversions Part 2

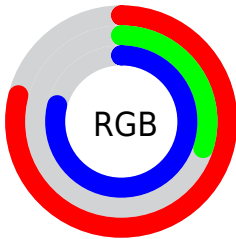
Format	Color
RYB	201, 77, 201
Decimal	13192649
CIELab	53.97, 64.44, -41.05
CIElCh	54, 76.405, 327.498
Yxy	21.9423, 0.3193, 0.1879
Android (android.graphics.Color)	4291382729 (0xFFC94DC9)
YUV	128.2120, 35.8845, 63.8351
Hunter-Lab	46.8426, 60.1007, -40.0257

Details

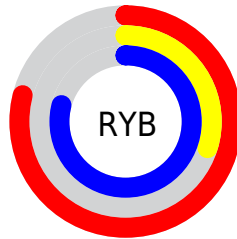
The XYZ color **37.2839, 21.9423, 57.5286** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **25.2878, 43.8879, 14.1607**, and the grayscale version is **20.4634, 21.5291, 23.4452**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **16.6899, 8.0046, 27.8595** is the 20% darker color. If you saturate the color by 10%, you get **36.0889, 19.5517, 57.1304**, and if you desaturate by 10%, it is **38.9149, 25.2037, 58.0725**.

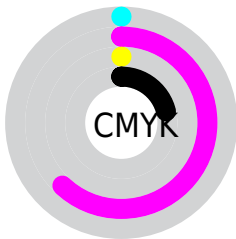
Distribution



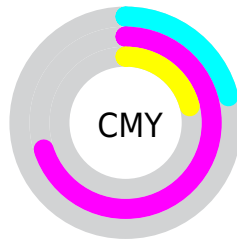
- Red (79%)
- Green (30%)
- Blue (79%)



- Red (79%)
- Yellow (30%)
- Blue (79%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (21%)



- Cyan (21%)
- Magenta (70%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2839, 21.9423, 57.5286 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 37.2839, 21.9423, 57.5286 by changing the saturation by 10% instead.

37.2839, 21.9423,
57.5286

37.2839, 21.9423,
57.5286

325.8723,
262.2448, 432.9762

25.6021, 13.8145,
41.0176

70.3202, 46.6506,
102.7441

16.6573, 7.9918,
28.0130

92.4054, 63.9999,
132.2856

10.0842, 4.0897,
18.0964

118.6891, 85.1919,
167.0077

5.5175, 1.7239,
10.8490

149.5366,
110.6108, 207.3290

2.5918, 0.4390,
5.8525

185.3133,
140.6412, 253.6679

0.9418, 0.0000,
2.6883

226.3846,

0.0000, 0.0000,

175.6674, 306.4431

0.9375

273.1158,
216.0738, 366.0730

■ 0.0000, 0.0000,
0.0000

■ 37.2839, 21.9423,
57.5286

■ 37.2839, 21.9423,
57.5286

■ 36.0889, 19.5517,
57.1304

■ 38.9149, 25.2037,
58.0725

■ 35.2859, 17.9458,
56.8626

■ 41.0158, 29.4054,
58.7729

■ 34.8263, 17.0266,
56.7094

■ 43.6197, 34.6132,
59.6409

■ 34.6304, 16.6347,
56.6440

■ 46.7563, 40.8864,
60.6866

■ 50.4528, 48.2794,
61.9188

■ 54.7348, 56.8432,
63.3462

■ 59.6259, 66.6255,
64.9766

■ 65.1488, 77.6713,
66.8177

■ 70.3906, 88.1548,
68.5650

Harmonies

Analogous

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



29.0637, 21.9423, 91.0208



37.2839, 21.9423, 57.5286



41.0382, 21.9423, 25.9288

Triad

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



37.2839, 21.9423, 57.5286



21.5553, 21.9423, 1.1831



9.7180, 21.9423, 51.5789

Complementary

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



37.2839, 21.9423, 57.5286



25.2878, 43.8879, 14.1607

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.



8.6894, 21.9423, 21.9637



37.2839, 21.9423, 57.5286



14.3595, 21.9423, 2.0099

Square

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



37.2839, 21.9423, 57.5286



30.5851, 21.9423, 2.4150



10.1400, 21.9423, 6.8582



13.4449, 21.9423, 86.2710

Rectangle

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



37.2839, 21.9423, 57.5286



39.9205, 21.9423, 12.6764



10.1400, 21.9423, 6.8582



9.0963, 21.9423, 40.3051

Sweetspot

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



37.2847, 21.9433, 57.5291



81.4939, 72.8879, 104.3810



16.2581, 11.1036, 56.5455



17.0746, 14.8640, 22.2190



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.



37.2847, 21.9433, 57.5291



61.2556, 32.4115, 97.6342



31.4025, 19.5904, 26.5536



11.0832, 10.8166, 13.4212



21.7739, 10.4591, 35.6151



1.0310, 0.4952, 1.6864

Inverse Universe

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



37.2847, 21.9433, 57.5291



61.2556, 32.4115, 97.6342



28.6084, 45.2161, 31.6472



11.0832, 10.8166, 13.4212



21.7739, 10.4591, 35.6151



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 37.2839, 21.9423, 57.5286 looks on a white background.

Color Contrast Check

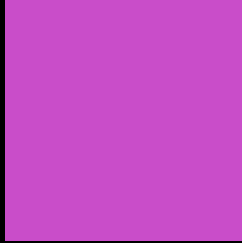
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.2839, 21.9423, 57.5286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

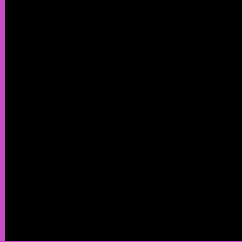
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2839, 21.9423, 57.5286

Background



This preview shows how black text looks on a background with the XYZ color 37.2839, 21.9423, 57.5286.

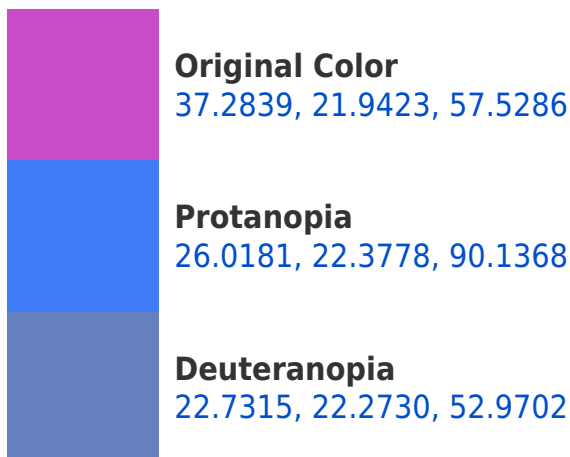


This preview shows how white text looks on a background with the XYZ color 37.2839, 21.9423,

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





Tritanopia

28.9547, 21.7953, 17.7198

Trichromacy



Original Color

37.2839, 21.9423, 57.5286



Protanomaly

26.4555, 19.9490, 77.3191



Deuteranomaly

25.7428, 20.4104, 54.2126



Tritanomaly

31.2849, 21.4884, 28.8843

Monochromacy



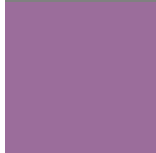
Original Color

37.2839, 21.9423, 57.5286



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

24.9026, 20.2724, 33.6108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2839, 21.9423, 57.5286 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(201, 77, 201)` looks like.

```
.text, #text, p{  
    color:rgb(201, 77, 201)  
}
```

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(201, 77, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 77, 201) }
```

Border

The CSS property to change the border of an element to XYZ 37.2839, 21.9423, 57.5286 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(201, 77, 201) }
```


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

```
.border{ border-color:rgb(201, 77, 201) }
```

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

Here you see how a box with a 4 pixel rgb(201, 77, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 77, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 77, 201);  
box-shadow:4px 4px 4px 4px rgb(201, 77,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2839, 21.9423, 57.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 77, 201) }
```

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

```
.background{ background-color: rgb(201, 77,  
201) }
```

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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