

Converting Colors

XYZ(37.7903, 21.5295, 32.7357)

Have a look what the booklet for
XYZ(37.7903, 21.5295, 32.7357)
contains.

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Color

**XYZ(37.7903, 21.5295,
32.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	DE409A
RGB	222, 64, 154
RGB Percent	87%, 25%, 60%
CMY	0.1294, 0.7490, 0.3961
CMYK	0.00, 0.71, 0.31, 0.13
HSL	326°, 71%, 56%
HSV	326°, 71%, 87%
XYZ	37.7903, 21.5295, 32.7357
YIQ	121.5020, 65.2780, 61.4860

Conversions

Conversions Part 2

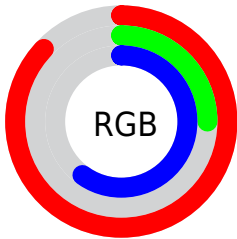
Format	Color
R _Y B	222, 64, 154
Decimal	14565530
CIE Lab	53.52, 67.99, -14.11
CIE LCh	54, 69.440, 348.273
Yxy	21.5295, 0.4105, 0.2339
Android (android.graphics.Color)	4292755610 (0xFFDE409A)
YUV	121.5020, 16.0215, 88.1367
Hunter-Lab	46.3999, 64.1792, -9.3499

Details

The XYZ color **37.7903, 21.5295, 32.7357** 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 **32.4018, 54.9991, 30.7414**, and the grayscale version is **18.2727, 19.2243, 20.9353**.

A 20% lighter version of the original color is **59.8328, 40.2294, 64.2860**, and **17.3485, 8.6607, 13.5893** is the 20% darker color. If you saturate the color by 10%, you get **36.0136, 19.1994, 28.3721**, and if you desaturate by 10%, it is **40.1295, 24.8831, 37.5997**.

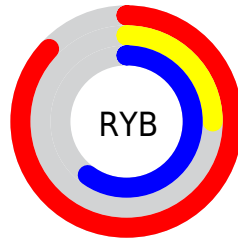
Distribution



Red (87%)

Green (25%)

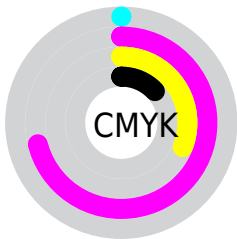
Blue (60%)



Red (87%)

Yellow (25%)

Blue (60%)

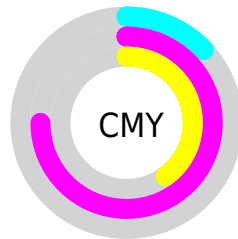


Cyan (0%)

Magenta (71%)

Yellow (31%)

Black (13%)



Cyan (13%)


Magenta (75%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7903, 21.5295, 32.7357 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 37.7903, 21.5295, 32.7357 by changing the saturation by 10% instead.

 37.7903, 21.5295,
32.7357


 37.7903, 21.5295,
32.7357


328.0160,
260.0793, 329.0525

 25.9964, 13.5116,
21.6546


 71.0926, 45.9671,
65.0739


 16.9537, 7.7818,
13.4074


 93.3317, 63.1556,
87.1681


 10.2965, 3.9556,
7.5757


 119.7833, 84.1698,
113.7704

 5.6598, 1.6488,
3.7408

 150.8128,
109.3940, 145.2994

 2.6780, 0.3902,
1.4843

 186.7854,
139.2127, 182.1735

 0.9859, 0.0000,
0.2062

228.0666,

 0.0000, 0.0000,

174.0102, 224.8114

0.0000

275.0217,
214.1709, 273.6315

■ 37.7903, 21.5295,
32.7357

■ 37.7903, 21.5295,
32.7357

■ 36.0136, 19.1994,
28.3721

■ 40.1295, 24.8831,
37.5997

■ 34.7330, 17.7624,
24.4791


■ 43.0836, 29.3628,
42.9880


■ 33.9192, 17.0476,
21.3941


■ 46.7007, 35.0626,
48.9237


■ 51.0233, 42.0655,
55.4275

■ 56.0902, 50.4471,
62.5188

 61.9375, 60.2773,
70.2156

 68.5987, 71.6213,
78.5353

 76.1053, 84.5400,
87.4942

 81.6117, 93.3406,
96.1495

Harmonies

Analogous

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



33.0214, 21.5295, 62.3564



37.7903, 21.5295, 32.7357



37.1611, 21.5295, 12.8481

Triad

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



37.7903, 21.5295, 32.7357



16.3192, 21.5295, 2.1349



12.3803, 21.5295, 68.8864

Complementary

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



37.7903, 21.5295, 32.7357



32.4018, 54.9991, 30.7414

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.



9.7096, 21.5295, 38.6760



37.7903, 21.5295, 32.7357



11.5768, 21.5295, 5.4376

Square

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



37.7903, 21.5295, 32.7357



23.4928, 21.5295, 1.9004



9.4561, 21.5295, 16.0982



17.7059, 21.5295, 90.2341

Rectangle

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



37.7903, 21.5295, 32.7357



33.7856, 21.5295, 6.1793



9.4561, 21.5295, 16.0982



11.2038, 21.5295, 58.8137

Sweetspot

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



37.7909, 21.5306, 32.7361



76.7904, 69.0669, 85.5920



24.2001, 13.6750, 70.4713



16.0006, 14.0579, 17.7244



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.



37.7909, 21.5306, 32.7361



48.4370, 25.2606, 36.3702



33.3039, 19.7358, 9.1079



14.0327, 13.8307, 15.9424



20.2041, 10.1487, 13.0066



1.4451, 0.7213, 1.1365

Inverse Universe

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



37.7909, 21.5306, 32.7361



48.4370, 25.2606, 36.3702



39.7244, 57.9281, 69.3016



14.0327, 13.8307, 15.9424



20.2041, 10.1487, 13.0066



1.4451, 0.7213, 1.1365

Previews

White Background



This preview shows how the XYZ color 37.7903, 21.5295, 32.7357 looks on a white background.

Color Contrast Check

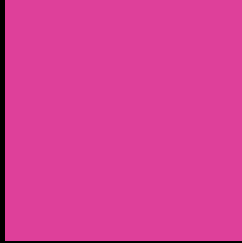
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7903, 21.5295, 32.7357 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 37.7903, 21.5295, 32.7357

Background



This preview shows how black text looks on a background with the XYZ color 37.7903, 21.5295, 32.7357.



This preview shows how white text looks on a background with the XYZ color 37.7903, 21.5295,

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

37.7903, 21.5295, 32.7357

Protanopia

23.1334, 21.8237, 56.4192

Deuteranopia

22.1948, 21.7291, 30.2185



Tritanopia

33.3529, 21.4744, 11.4039

Trichromacy



Original Color

37.7903, 21.5295, 32.7357

Protanomaly

25.1478, 19.1889, 46.6344

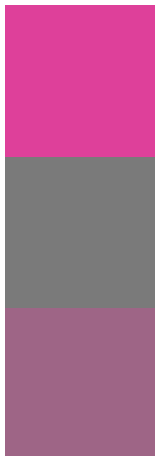
Deuteranomaly

25.7921, 19.8698, 30.9096

Tritanomaly

34.5987, 21.2399, 17.3151

Monochromacy



Original Color

37.7903, 21.5295, 32.7357

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

23.0573, 18.2977, 24.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7903, 21.5295, 32.7357 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(222, 64, 154)` looks like.

```
.text, #text, p{  
    color:rgb(222, 64, 154)  
}
```

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(222, 64, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 64, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.7903, 21.5295, 32.7357 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(222, 64, 154) }
```


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

```
.border{ border-color:rgb(222, 64, 154) }
```

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

Here you see how a box with a 4 pixel rgb(222, 64, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 64, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 64, 154);  
box-shadow:4px 4px 4px 4px rgb(222, 64,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7903, 21.5295, 32.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 64, 154) }
```

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

```
.background{ background-color: rgb(222, 64,  
154) }
```

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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