

# Converting Colors

XYZ(37.7938, 21.9952, 44.3730)

Have a look what the booklet for  
XYZ(37.7938, 21.9952, 44.3730)  
contains.

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# Color

**XYZ(37.7938, 21.9952,  
44.3730)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D548B2
RGB	213, 72, 178
RGB Percent	84%, 28%, 70%
CMY	0.1647, 0.7176, 0.3020
CMYK	0.00, 0.66, 0.16, 0.16
HSL	315°, 63%, 56%
HSV	315°, 66%, 84%
XYZ	37.7938, 21.9952, 44.3730
YIQ	126.2430, 50.0100, 62.8580

# Conversions

## Conversions Part 2

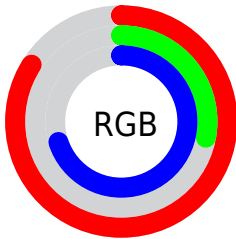
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 72, 178
Decimal	13977778
CIE <sub>Lab</sub>	54.02, 65.86, -27.55
CIE <sub>LCh</sub>	54, 71.388, 337.297
Yxy	21.9952, 0.3628, 0.2112
Android (android.graphics.Color)	4292167858 (0xFFD548B2)
YUV	126.2430, 25.5162, 76.0859
Hunter-Lab	46.8990, 61.7717, -23.2672

# Details

The XYZ color **37.7938, 21.9952, 44.3730** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **29.1217, 50.0285, 22.0336**, and the grayscale version is **19.8189, 20.8510, 22.7068**.

A 20% lighter version of the original color is **64.0739, 43.1658, 82.7967**, and **17.2192, 8.4492, 20.1253** is the 20% darker color. If you saturate the color by 10%, you get **36.1269, 19.4944, 41.2484**, and if you desaturate by 10%, it is **39.9594, 25.4599, 47.7652**.

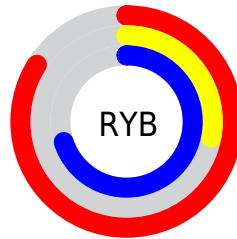
# Distribution



Red (84%)

Green (28%)

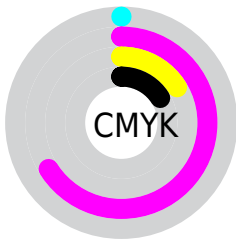
Blue (70%)



Red (84%)

Yellow (28%)

Blue (70%)

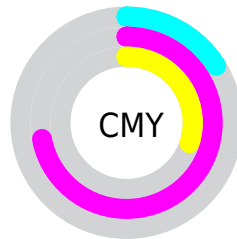


Cyan (0%)

Magenta (66%)

Yellow (16%)

Black (16%)



Cyan (16%)

Magenta (72%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7938, 21.9952, 44.3730 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 37.7938, 21.9952, 44.3730 by changing the saturation by 10% instead.




 37.7938, 21.9952,  
44.3730


 37.7938, 21.9952,  
44.3730

328.0308,  
262.5212, 380.3140


 25.9992, 13.8534,  
30.6245


 71.0979, 46.7381,  
83.0872


 16.9557, 8.0188,  
20.0570


 93.3381, 64.1079,  
108.8899


 10.2980, 4.1070,  
12.2520


 119.7909, 85.3225,  
139.5479

 5.6608, 1.7336,  
6.7909

 150.8216,  
110.7663, 175.4795

 2.6786, 0.4453,  
3.2552

 186.7956,  
140.8237, 217.1034

 0.9862, 0.0000,  
1.2264

228.0782,

 0.0000, 0.0000,

175.8790, 264.8381

0.0003

275.0348,  
216.3167, 319.1021

■ 0.0000, 0.0000,  
0.0000

■ 37.7938, 21.9952,  
44.3730

■ 37.7938, 21.9952,  
44.3730

■ 36.1269, 19.4944,  
41.2484

■ 39.9594, 25.4599,  
47.7652

■ 34.9046, 17.8508,  
38.3716

■ 42.6661, 29.9741,  
51.4397

■ 34.0626, 16.9358,  
35.7203

■ 45.9541, 35.6174,  
55.4111

■ 33.7969, 16.6887,  
34.7551

■ 49.8592, 42.4610,  
59.6925

■ 54.4141, 50.5701,  
64.2957

■ 59.6492, 60.0053,  
69.2320

■ 65.5931, 70.8231,  
74.5120

■ 72.2726, 83.0768,  
80.1454

■ 76.8718, 91.1346,  
85.1948

# Harmonies

## Analogous

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



31.2443, 21.9952, 76.1359



37.7938, 21.9952, 44.3730



39.3419, 21.9952, 18.9483

# Triad

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



37.7938, 21.9952, 44.3730



19.0777, 21.9952, 1.6929



11.1862, 21.9952, 60.0175

# Complementary

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



37.7938, 21.9952, 44.3730



29.1217, 50.0285, 22.0336

# 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.



9.3738, 21.9952, 29.7603



37.7938, 21.9952, 44.3730



13.1438, 21.9952, 3.5575

# Square

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



37.7938, 21.9952, 44.3730



27.1697, 21.9952, 2.2485



9.9898, 21.9952, 11.0094



15.6871, 21.9952, 88.4081



# Rectangle

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



37.7938, 21.9952, 44.3730



37.0530, 21.9952, 9.2716



9.9898, 21.9952, 11.0094



10.3001, 21.9952, 49.1932

# Sweetspot

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



37.7945, 21.9963, 44.3734



78.9110, 70.8770, 93.7937



20.1428, 12.4374, 64.2902



16.4768, 14.4352, 19.6566



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.



37.7945, 21.9963, 44.3734



53.5568, 28.2640, 60.3853



32.5516, 19.8991, 16.7648



12.8152, 12.5776, 14.9668



20.6871, 10.2112, 21.4542



1.2798, 0.6287, 1.4627



# Inverse Universe

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



37.7945, 21.9963, 44.3734



53.5568, 28.2640, 60.3853



34.2449, 52.0778, 49.0121



12.8152, 12.5776, 14.9668



20.6871, 10.2112, 21.4542



1.2798, 0.6287, 1.4627



# Previews

## White Background



This preview shows how the XYZ color 37.7938, 21.9952, 44.3730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

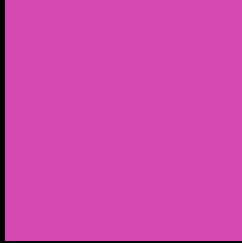
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7938, 21.9952, 44.3730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

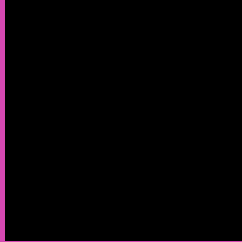
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.7938, 21.9952, 44.3730**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7938, 21.9952, 44.3730.



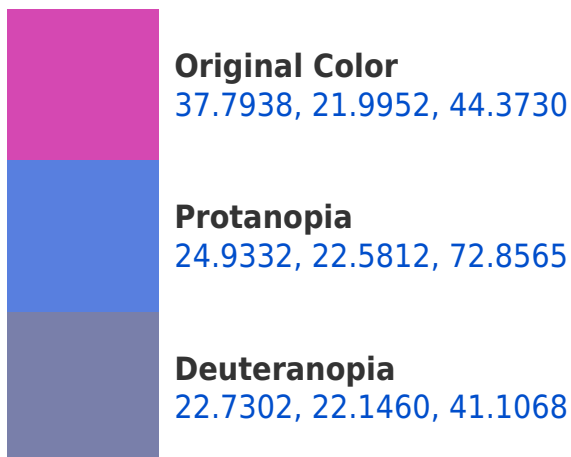
This preview shows how white text looks on a background with the XYZ color 37.7938, 21.9952,



# 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

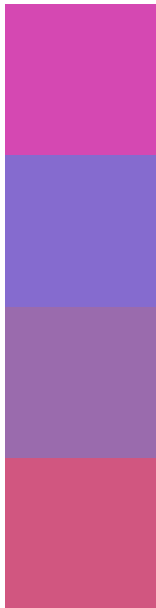




## Tritanopia

31.7566, 22.0473, 14.6384

# Trichromacy



## Original Color

37.7938, 21.9952, 44.3730

## Protanomaly

26.1930, 20.0069, 61.5127

## Deuteranomaly

26.1269, 20.4025, 42.0962

## Tritanomaly

33.5186, 21.7694, 22.8574

# Monochromacy



## Original Color

37.7938, 21.9952, 44.3730

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

24.3654, 19.6215, 29.2912

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7938, 21.9952, 44.3730 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(213, 72, 178)` looks like.

```
.text, #text, p{  
    color:rgb(213, 72, 178)  
}
```

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(213, 72, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 72, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7938, 21.9952, 44.3730 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(213, 72, 178) }
```



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

```
.border{ border-color:rgb(213, 72, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 72, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 72, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 72, 178);  
box-shadow:4px 4px 4px 4px rgb(213, 72,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7938, 21.9952, 44.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 72, 178) }
```

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

```
.background{ background-color: rgb(213, 72,  
178) }
```

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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