

# Converting Colors

XYZ(37.8905, 21.4842, 41.2240)

Have a look what the booklet for  
XYZ(37.8905, 21.4842, 41.2240)  
contains.

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# Color

**XYZ(37.9520, 21.5109,  
41.1814)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D941AC
RGB	217, 65, 172
RGB Percent	85%, 25%, 67%
CMY	0.1490, 0.7451, 0.3255
CMYK	0.00, 0.70, 0.21, 0.15
HSL	318°, 67%, 55%
HSV	318°, 70%, 85%
XYZ	37.9520, 21.5109, 41.1814
YIQ	122.6460, 56.2450, 65.5010

# Conversions

## Conversions Part 2

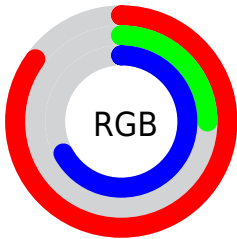
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 65, 172
Decimal	14238124
CIE Lab	53.50, 68.60, -24.80
CIE LCh	54, 72.946, 340.123
Yxy	21.5109, 0.3771, 0.2137
Android (android.graphics.Color)	4292428204 (0xFFD941AC)
YUV	122.6460, 24.3315, 82.7485
Hunter-Lab	46.3798, 64.8994, -20.1786

# Details

The XYZ color **37.9520, 21.5109, 41.1814** 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 **29.8086, 51.8762, 23.1965**, and the grayscale version is **18.6212, 19.5910, 21.3345**.

A 20% lighter version of the original color is **62.4512, 41.2767, 78.0745**, and **17.4303, 8.6010, 18.1942** is the 20% darker color. If you saturate the color by 10%, you get **36.3347, 19.2397, 37.6712**, and if you desaturate by 10%, it is **40.0788, 24.7526, 45.0090**.

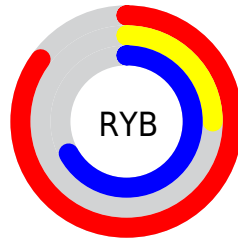
# Distribution



Red (85%)

Green (25%)

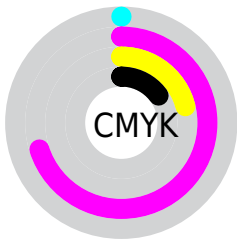
Blue (67%)



Red (85%)

Yellow (25%)

Blue (67%)

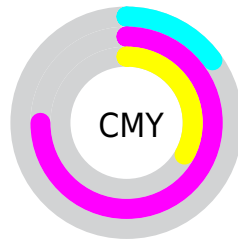


Cyan (0%)

Magenta (70%)

Yellow (21%)

Black (15%)



Cyan (15%)

Magenta (75%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9520, 21.5109, 41.1814 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 37.9520, 21.5109, 41.1814 by changing the saturation by 10% instead.




 37.9520, 21.5109,  
41.1814


 37.9520, 21.5109,  
41.1814

328.6984,  
259.9813, 366.7773


 26.1225, 13.4980,  
28.1401


 71.3389, 45.9363,  
78.2158


 17.0485, 7.7723,  
18.1913


 93.6271, 63.1175,  
103.0461


 10.3646, 3.9496,  
10.9166


 120.1321, 84.1236,  
132.6430

 5.7054, 1.6454,  
5.8973

 151.2194,  
109.3390, 167.4252

 2.7058, 0.3879,  
2.7150

 187.2543,  
139.1481, 207.8112

 1.0001, 0.0000,  
0.9509

228.6022,

 0.0000, 0.0000,

173.9352, 254.2195

0.0000

275.6285,  
214.0848, 307.0687

■ 37.9520, 21.5109,  
41.1814

■ 37.9520, 21.5109,  
41.1814

■ 36.3347, 19.2397,  
37.6712

■ 40.0788, 24.7526,  
45.0090

■ 35.1661, 17.8192,  
34.4556

■ 42.7624, 29.0599,  
49.1712

■ 34.3449, 17.0436,  
31.5098

■ 46.0468, 34.5198,  
53.6849

■ 49.9711, 41.2097,  
58.5649

■ 54.5708, 49.2002,  
63.8252

■ 59.8789, 58.5564,  
69.4785

■ 65.9259, 69.3391,  
75.5368

■ 72.7408, 81.6055,  
82.0116

■ 78.6336, 91.9751,  
88.3413

# Harmonies

## Analogous

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



31.6591, 21.5109, 73.7131



37.9520, 21.5109, 41.1814



38.9533, 21.5109, 16.6795

# Triad

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



37.9520, 21.5109, 41.1814



17.9312, 21.5109, 1.5075



11.0198, 21.5109, 63.2120

# Complementary

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



37.9520, 21.5109, 41.1814



29.8086, 51.8762, 23.1965

# 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.



8.9858, 21.5109, 31.7726



37.9520, 21.5109, 41.1814



12.2522, 21.5109, 3.5772

# Square

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



37.9520, 21.5109, 41.1814



25.9552, 21.5109, 1.8304



9.3711, 21.5109, 11.6815



15.7765, 21.5109, 91.0658



# Rectangle

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



37.9520, 21.5109, 41.1814



36.2747, 21.5109, 7.8460



9.3711, 21.5109, 11.6815



10.0573, 21.5109, 52.1127

# Sweetspot

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



37.9527, 21.5120, 41.1818



77.8332, 69.4840, 91.0835



20.6085, 11.9841, 66.8731



16.2495, 14.1575, 19.0353



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.



37.9527, 21.5120, 41.1818



51.4942, 26.6193, 52.0505



32.7081, 19.4141, 13.5639



13.4416, 13.2057, 15.5865



20.8388, 10.3366, 19.3291



1.3872, 0.6845, 1.4477



# Inverse Universe

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



37.9527, 21.5120, 41.1818



51.4942, 26.6193, 52.0505



35.6526, 54.2138, 53.9706



13.4416, 13.2057, 15.5865



20.8388, 10.3366, 19.3291



1.3872, 0.6845, 1.4477



# Previews

## White Background



This preview shows how the XYZ color 37.9520, 21.5109, 41.1814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

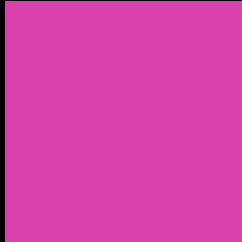
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9520, 21.5109, 41.1814 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

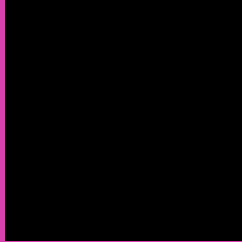
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.9520, 21.5109, 41.1814**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9520, 21.5109, 41.1814.



This preview shows how white text looks on a background with the XYZ color 37.9520, 21.5109,



# 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

37.9520, 21.5109, 41.1814

### Protanopia

24.1824, 21.8608, 70.6551

### Deuteranopia

22.0978, 21.7036, 37.6749



## Tritanopia

32.0884, 21.4892, 13.0463

# Trichromacy



## Original Color

37.9520, 21.5109, 41.1814



## Protanomaly

25.4613, 19.0806, 58.8409



## Deuteranomaly

25.7379, 19.8219, 38.5459



## Tritanomaly

33.8221, 21.2886, 20.7388

# Monochromacy



## Original Color

37.9520, 21.5109, 41.1814



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

23.4637, 18.5939, 27.5516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9520, 21.5109, 41.1814 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(217, 65, 172)` looks like.

```
.text, #text, p{  
    color:rgb(217, 65, 172)  
}
```

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(217, 65, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 65, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9520, 21.5109, 41.1814 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(217, 65, 172) }
```



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

```
.border{ border-color:rgb(217, 65, 172) }
```

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

Here you see how a box with a 4 pixel rgb(217, 65, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 65, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 65, 172);  
box-shadow:4px 4px 4px 4px rgb(217, 65,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9520, 21.5109, 41.1814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 65, 172) }
```

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

```
.background{ background-color: rgb(217, 65,  
172) }
```

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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