

# Converting Colors

XYZ(37.8791, 24.7512, 38.5882)

Have a look what the booklet for  
XYZ(37.8791, 24.7512, 38.5882)  
contains.

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# Color

**XYZ(37.7477, 24.7499,  
38.3850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D35FA5
RGB	211, 95, 165
RGB Percent	83%, 37%, 65%
CMY	0.1725, 0.6274, 0.3529
CMYK	0.00, 0.55, 0.22, 0.17
HSL	324°, 57%, 60%
HSV	324°, 55%, 83%
XYZ	37.7477, 24.7499, 38.3850
YIQ	137.6640, 46.6660, 46.3620

# Conversions

## Conversions Part 2

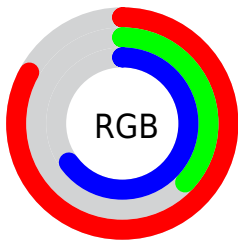
Format	Color
R <sub>Y</sub> B	211, 95, 165
Decimal	13852581
CIE Lab	56.83, 53.60, -15.71
CIE LCh	57, 55.855, 343.659
Yxy	24.7499, 0.3742, 0.2453
Android (android.graphics.Color)	4292042661 (0xFFD35FA5)
YUV	137.6640, 13.4766, 64.3157
Hunter-Lab	49.7493, 48.3772, -10.9218

# Details

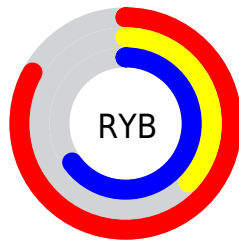
The XYZ color **37.7477, 24.7499, 38.3850** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **32.8225, 50.9453, 33.3052**, and the grayscale version is **23.9684, 25.2166, 27.4609**.

A 20% lighter version of the original color is **65.0646, 48.2400, 73.5921**, and **16.8430, 9.4156, 16.5525** is the 20% darker color. If you saturate the color by 10%, you get **35.3611, 21.1558, 33.9540**, and if you desaturate by 10%, it is **40.7003, 29.3956, 43.2510**.

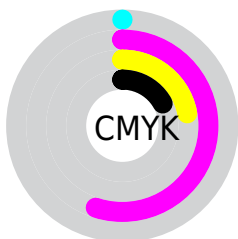
# Distribution



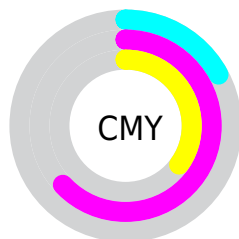
- Red (83%)
- Green (37%)
- Blue (65%)



- Red (83%)
- Yellow (37%)
- Blue (65%)



- Cyan (0%)
- Magenta (55%)
- Yellow (22%)
- Black (17%)



- Cyan (17%)
- Magenta (63%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7477, 24.7499, 38.3850 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 37.7477, 24.7499, 38.3850 by changing the saturation by 10% instead.





 37.7477, 24.7499,  
38.3850


 37.7477, 24.7499,  
38.3850


327.8360,  
276.5901, 354.6162

 25.9633, 15.8908,  
25.9775

 71.0277, 51.2512,  
73.9078


 16.9287, 9.4469,  
16.5812


 93.2539, 69.6622,  
97.8602

 10.2786, 5.0338,  
9.7776


 119.6914, 92.0260,  
126.4980

 5.6478, 2.2671,  
5.1480

 150.7056,  
118.7269, 160.2396

 2.6707, 0.7562,  
2.2741

186.6618,  
150.1494, 199.5037

 0.9821, 0.0000,  
0.7167

227.9254,

 0.0000, 0.0000,

186.6778, 244.7089

0.0000

274.8617,  
228.6966, 296.2735

■ 37.7477, 24.7499,  
38.3850

■ 37.7477, 24.7499,  
38.3850

■ 35.3611, 21.1558,  
33.9540

■ 40.7003, 29.3956,  
43.2510

■ 33.4947, 18.5240,  
29.9373

■ 44.2553, 35.1655,  
48.5681

■ 32.0988, 16.7566,  
26.3140

■ 48.4489, 42.1295,  
54.3528

■ 31.1121, 15.7325,  
23.0584

■ 53.3133, 50.3513,  
60.6203

■ 30.7160, 15.3897,  
21.5412

■ 58.8786, 59.8896,  
67.3848

■ 65.1733, 70.7996,  
74.6599

■ 72.2238, 83.1333,  
82.4583

■ 77.1813, 91.1918,  
89.8345

■ 78.3983, 91.6786,  
96.2430

# Harmonies

## Analogous

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



33.3011, 24.7499, 62.2348



37.7477, 24.7499, 38.3850



37.9565, 24.7499, 19.3171

# Triad

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



37.7477, 24.7499, 38.3850



20.6817, 24.7499, 4.9323



15.5591, 24.7499, 60.1789

# Complementary

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



37.7477, 24.7499, 38.3850



32.8225, 50.9453, 33.3052

# 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.



13.3106, 24.7499, 36.3638



37.7477, 24.7499, 38.3850



15.8766, 24.7499, 8.4062

# Square

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



37.7477, 24.7499, 38.3850



27.2366, 24.7499, 5.0740



13.4149, 24.7499, 18.0442



20.1652, 24.7499, 78.2822



# Rectangle

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



37.7477, 24.7499, 38.3850



35.5996, 24.7499, 11.5270



13.4149, 24.7499, 18.0442



14.5440, 24.7499, 52.1976

# Sweetspot

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



37.7485, 24.7511, 38.3855



80.8906, 75.6758, 91.8654



26.5769, 18.4183, 63.7826



16.9684, 15.6113, 19.2252



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.



37.7485, 24.7511, 38.3855



53.7288, 31.6699, 51.0035



33.6924, 23.1287, 17.0267



12.1040, 11.9263, 13.8234



18.5888, 9.3083, 13.2725



1.0779, 0.5359, 0.9450



# Inverse Universe

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



37.7485, 24.7511, 38.3855



53.7288, 31.6699, 51.0035



38.1461, 53.0747, 61.3387



12.1040, 11.9263, 13.8234



18.5888, 9.3083, 13.2725



1.0779, 0.5359, 0.9450



# Previews

## White Background



This preview shows how the XYZ color 37.7477, 24.7499, 38.3850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

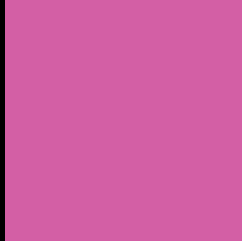
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7477, 24.7499, 38.3850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

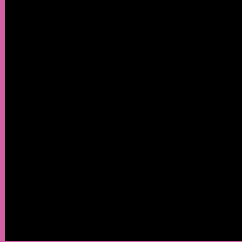
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.7477, 24.7499, 38.3850**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7477, 24.7499, 38.3850.



This preview shows how white text looks on a background with the XYZ color 37.7477, 24.7499,



# 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

37.7477, 24.7499, 38.3850

### Protanopia

26.0093, 25.1449, 54.5216

### Deuteranopia

25.4608, 24.8537, 36.2562



## Tritanopia

33.6449, 24.6448, 18.9032

# Trichromacy



## Original Color

37.7477, 24.7499, 38.3850



## Protanomaly

28.2126, 23.5272, 47.8540



## Deuteranomaly

28.7557, 23.8739, 36.8107



## Tritanomaly

34.9974, 24.6061, 25.0952

# Monochromacy



## Original Color

37.7477, 24.7499, 38.3850



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

27.8219, 24.0565, 31.1940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7477, 24.7499, 38.3850 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(211, 95, 165)` looks like.

```
.text, #text, p{  
    color:rgb(211, 95, 165)  
}
```

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(211, 95, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 95, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7477, 24.7499, 38.3850 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(211, 95, 165) }
```



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

```
.border{ border-color:rgb(211, 95, 165) }
```

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

Here you see how a box with a 4 pixel rgb(211, 95, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 95, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 95, 165);  
box-shadow:4px 4px 4px 4px rgb(211, 95,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7477, 24.7499, 38.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 95, 165) }
```

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

```
.background{ background-color: rgb(211, 95,  
165) }
```

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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