

Converting Colors

XYZ(37.1271, 24.2223, 39.7445)

Have a look what the booklet for
XYZ(37.1271, 24.2223, 39.7445)
contains.

XYZ(37.0830, 24.2425, 39.7706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0830, 24.2425,
39.7706)**

Conversions

Conversions Part 1

Format	Color
Hex	D05EA8
RGB	208, 94, 168
RGB Percent	82%, 37%, 66%
CMY	0.1843, 0.6313, 0.3412
CMYK	0.00, 0.55, 0.19, 0.18
HSL	321°, 55%, 59%
HSV	321°, 55%, 82%
XYZ	37.0830, 24.2425, 39.7706
YIQ	136.5220, 44.1900, 47.1820

Conversions

Conversions Part 2

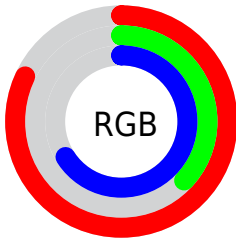
Format	Color
R _Y B	208, 94, 168
Decimal	13655720
CIE Lab	56.33, 53.59, -18.26
CIE LCh	56, 56.614, 341.185
Yxy	24.2425, 0.3668, 0.2398
Android (android.graphics.Color)	4291845800 (0xFFD05EA8)
YUV	136.5220, 15.5187, 62.6862
Hunter-Lab	49.2367, 48.2745, -13.4254

Details

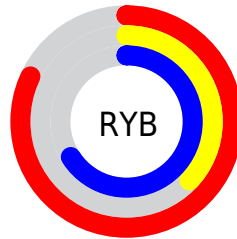
The XYZ color **37.0830, 24.2425, 39.7706** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **31.4762, 49.2134, 30.3967**, and the grayscale version is **23.5304, 24.7558, 26.9591**.

A 20% lighter version of the original color is **65.3067, 48.0826, 75.6509**, and **16.6080, 9.2265, 17.4285** is the 20% darker color. If you saturate the color by 10%, you get **34.8154, 20.7649, 35.7537**, and if you desaturate by 10%, it is **39.8885, 28.7342, 44.1556**.

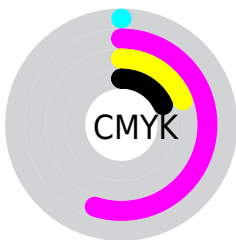
Distribution



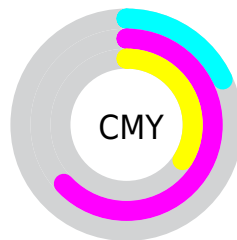
- Red (82%)
- Green (37%)
- Blue (66%)



- Red (82%)
- Yellow (37%)
- Blue (66%)



- Cyan (0%)
- Magenta (55%)
- Yellow (19%)
- Black (18%)





- Cyan (18%)
- Magenta (63%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0830, 24.2425, 39.7706 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 37.0830, 24.2425, 39.7706 by changing the saturation by 10% instead.


 37.0830, 24.2425,
39.7706


 37.0830, 24.2425,
39.7706


325.0190,
274.0442, 360.6790


 25.4457, 15.5136,
27.0473


 70.0134, 50.4256,
76.0473


 16.5399, 9.1806,
17.3760


 92.0373, 68.6487,
100.4378

 10.0003, 4.8592,
10.3381


 118.2541, 90.8052,
129.5545

 5.4614, 2.1649,
5.5152

 149.0291,
117.2796, 163.8159

 2.5580, 0.7007,
2.4886

184.7278,
148.4563, 203.6405

 0.9246, 0.0000,
0.8341

225.7154,

 0.0000, 0.0000,

184.7198, 249.4468

0.0000

272.3574,
226.4542, 301.6535

■ 37.0830, 24.2425,
39.7706

■ 37.0830, 24.2425,
39.7706

■ 34.8154, 20.7649,
35.7537

■ 39.8885, 28.7342,
44.1556

■ 33.0419, 18.2156,
32.0865

■ 43.2668, 34.3098,
48.9226

■ 31.7150, 16.5005,
28.7503

■ 47.2523, 41.0367,
54.0863

■ 30.7760, 15.5033,
25.7223

■ 51.8759, 48.9761,
59.6597

■ 30.3867, 15.1596,
24.2515

■ 57.1665, 58.1845,
65.6554

■ 63.1511, 68.7152,
72.0850

■ 69.8551, 80.6181,
78.9596

■ 75.5535, 90.4423,
85.7070

■ 76.5790, 90.8525,
91.1073

Harmonies

Analogous

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



32.3354, 24.2425, 63.7476



37.0830, 24.2425, 39.7706



37.6799, 24.2425, 20.0186

Triad

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



37.0830, 24.2425, 39.7706



20.6916, 24.2425, 4.5038



14.8271, 24.2425, 57.8506

Complementary

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



37.0830, 24.2425, 39.7706



31.4762, 49.2134, 30.3967

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.



12.7910, 24.2425, 34.0016



37.0830, 24.2425, 39.7706



15.7250, 24.2425, 7.5316

Square

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



37.0830, 24.2425, 39.7706



27.3319, 24.2425, 4.8955



13.0853, 24.2425, 16.4164



19.2259, 24.2425, 77.1422

Rectangle

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



37.0830, 24.2425, 39.7706



35.5352, 24.2425, 11.8140



13.0853, 24.2425, 16.4164



13.8849, 24.2425, 49.7296

Sweetspot

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



37.0838, 24.2437, 39.7711



81.1672, 75.7864, 93.3217



25.2048, 17.6211, 61.7475



17.0345, 15.6377, 19.5732



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.



37.0838, 24.2437, 39.7711



54.5815, 32.0109, 55.4935



32.8909, 22.5665, 17.6916



12.1273, 11.9357, 13.9461



18.9859, 9.4672, 15.3638



1.0984, 0.5441, 1.0530

Inverse Universe

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



37.0838, 24.2437, 39.7711



54.5815, 32.0109, 55.4935



36.5658, 51.2492, 57.1981



12.1273, 11.9357, 13.9461



18.9859, 9.4672, 15.3638



1.0984, 0.5441, 1.0530

Previews

White Background



This preview shows how the XYZ color 37.0830, 24.2425, 39.7706 looks on a white background.

Color Contrast Check

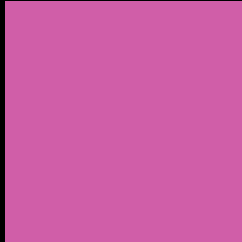
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0830, 24.2425, 39.7706 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 37.0830, 24.2425, 39.7706

Background



This preview shows how black text looks on a background with the XYZ color 37.0830, 24.2425, 39.7706.



This preview shows how white text looks on a background with the XYZ color 37.0830, 24.2425,

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

37.0830, 24.2425, 39.7706

Protanopia

25.5358, 24.4511, 56.1970

Deuteranopia

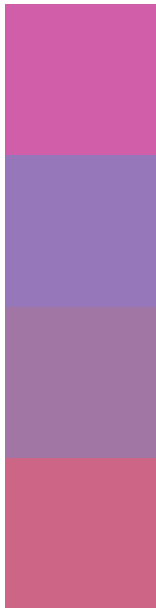
24.9262, 24.3454, 37.5678



Tritanopia

32.8199, 24.2195, 18.8646

Trichromacy



Original Color

37.0830, 24.2425, 39.7706

Protanomaly

27.8542, 23.1284, 49.4505

Deuteranomaly

28.0796, 23.3186, 38.1429

Tritanomaly

34.2313, 24.2031, 25.4217

Monochromacy



Original Color

37.0830, 24.2425, 39.7706

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

27.2869, 23.5994, 31.1339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0830, 24.2425, 39.7706 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(208, 94, 168)` looks like.

```
.text, #text, p{  
    color:rgb(208, 94, 168)  
}
```

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(208, 94, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 94, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.0830, 24.2425, 39.7706 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(208, 94, 168) }
```


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

```
.border{ border-color:rgb(208, 94, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 94, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 94, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 94, 168);  
box-shadow:4px 4px 4px 4px rgb(208, 94,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0830, 24.2425, 39.7706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 94, 168) }
```

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

```
.background{ background-color: rgb(208, 94,  
168) }
```

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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