

Converting Colors

XYZ(42.1249, 23.9263, 38.1769)

Have a look what the booklet for
XYZ(42.1249, 23.9263, 38.1769)
contains.

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Color

**XYZ(42.0774, 23.8867,
37.9902)**

Conversions

Conversions Part 1

Format	Color
Hex	E843A5
RGB	232, 67, 165
RGB Percent	91%, 26%, 65%
CMY	0.0902, 0.7372, 0.3529
CMYK	0.00, 0.71, 0.29, 0.09
HSL	324°, 78%, 59%
HSV	324°, 71%, 91%
XYZ	42.0774, 23.8867, 37.9902
YIQ	127.5070, 66.8820, 65.4580

Conversions

Conversions Part 2

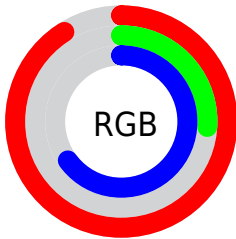
Format	Color
R _Y B	232, 67, 165
Decimal	15221669
CIE Lab	55.97, 70.84, -16.71
CIE LCh	56, 72.782, 346.730
Yxy	23.8867, 0.4048, 0.2298
Android (android.graphics.Color)	4293411749 (0xFFE843A5)
YUV	127.5070, 18.4840, 91.6404
Hunter-Lab	48.8740, 68.1475, -11.8748

Details

The XYZ color **42.0774, 23.8867, 37.9902** 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 **35.4759, 60.6285, 32.3905**, and the grayscale version is **20.2708, 21.3265, 23.2245**.

A 20% lighter version of the original color is **61.7476, 41.6061, 72.4865**, and **19.9939, 9.9629, 16.4920** is the 20% darker color. If you saturate the color by 10%, you get **40.1376, 21.3292, 33.2675**, and if you desaturate by 10%, it is **44.6339, 27.5761, 43.2305**.

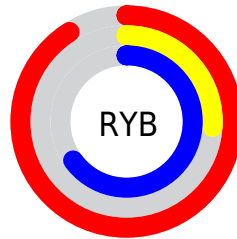
Distribution



Red (91%)

Green (26%)

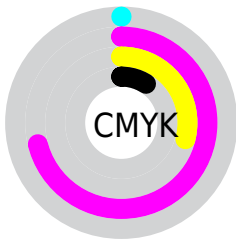
Blue (65%)



Red (91%)

Yellow (26%)

Blue (65%)

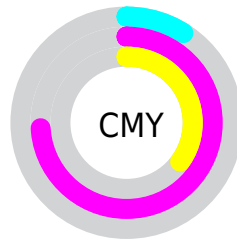


Cyan (0%)

Magenta (71%)

Yellow (29%)

Black (9%)



Cyan (9%)

Magenta (74%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0774, 23.8867, 37.9902 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 42.0774, 23.8867, 37.9902 by changing the saturation by 10% instead.

 42.0774, 23.8867,
37.9902


 42.0774, 23.8867,
37.9902


345.7899,
272.2472, 352.8749

 29.3533, 15.2496,
25.6733

 77.5812, 49.8452,
73.2964


 19.4939, 8.9947,
16.3558


 101.0916, 67.9355,
97.1227

 12.1338, 4.7378,
9.6192


 128.9280, 89.9455,
125.6227

 6.9077, 2.0942,
5.0449

 161.4560,
116.2598, 159.2147

 3.4503, 0.6614,
2.2145

 199.0408,
147.2628, 198.3174

 1.3961, 0.0000,
0.6827

242.0478,

 0.2534, 0.0000,

183.3387, 243.3493

0.0000

290.8424,
224.8720, 294.7290

■ 0.0000, 0.0000,
0.0000

■ 42.0774, 23.8867,
37.9902

■ 42.0774, 23.8867,
37.9902

■ 40.1376, 21.3292,
33.2675

■ 44.6339, 27.5761,
43.2305

■ 38.7405, 19.7582,
29.0306


■ 47.8650, 32.5119,
49.0137


■ 37.8510, 18.9847,
25.6342


■ 51.8242, 38.7985,
55.3640


■ 56.5587, 46.5284,
62.3032

■ 62.1114, 55.7857,
69.8517

 68.5222, 66.6482,
78.0284

 75.8282, 79.1882,
86.8514

 84.0642, 93.4737,
96.3378

 86.2613, 95.5649,
104.1699

Harmonies

Analogous

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



36.4391, 23.8867, 71.6754



42.0774, 23.8867, 37.9902



41.7017, 23.8867, 14.9340

Triad

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



42.0774, 23.8867, 37.9902



18.4074, 23.8867, 2.1902



13.4179, 23.8867, 75.5856

Complementary

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



42.0774, 23.8867, 37.9902



35.4759, 60.6285, 32.3905

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.



10.5816, 23.8867, 41.5314



42.0774, 23.8867, 37.9902



12.9431, 23.8867, 5.5616

Square

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



42.0774, 23.8867, 37.9902



26.5724, 23.8867, 2.0557



10.4322, 23.8867, 16.8551



19.2298, 23.8867, 100.8132

Rectangle

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



42.0774, 23.8867, 37.9902



38.0689, 23.8867, 7.1176



10.4322, 23.8867, 16.8551



12.1541, 23.8867, 64.0989

Sweetspot

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



42.0781, 23.8880, 37.9906



76.9760, 69.1411, 86.5699



26.2471, 14.8287, 77.8230



16.0448, 14.0756, 17.9573



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.



42.0781, 23.8880, 37.9906



48.9145, 25.4516, 38.8849



36.8676, 21.8038, 10.5524



14.7344, 14.5110, 16.8019



21.0773, 10.5651, 14.5679



1.6033, 0.7990, 1.3175

Inverse Universe

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



42.0781, 23.8880, 37.9906



48.9145, 25.4516, 38.8849



43.5024, 63.8391, 74.6576



14.7344, 14.5110, 16.8019



21.0773, 10.5651, 14.5679



1.6033, 0.7990, 1.3175

Previews

White Background



This preview shows how the XYZ color 42.0774, 23.8867, 37.9902 looks on a white background.

Color Contrast Check

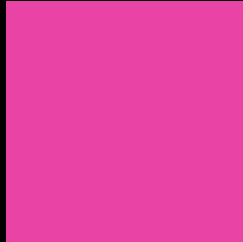
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0774, 23.8867, 37.9902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

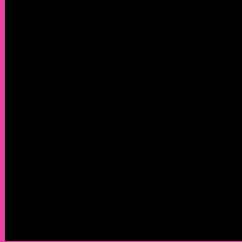
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0774, 23.8867, 37.9902

Background



This preview shows how black text looks on a background with the XYZ color 42.0774, 23.8867, 37.9902.



This preview shows how white text looks on a background with the XYZ color 42.0774, 23.8867,

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

42.0774, 23.8867, 37.9902

Protanopia

25.9606, 24.2593, 65.6016

Deuteranopia

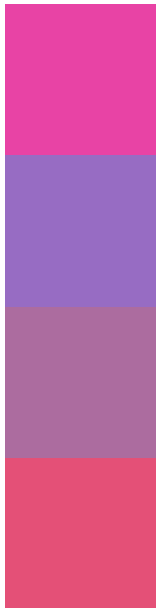
24.4336, 23.9513, 34.7878



Tritanopia

36.7480, 23.7755, 13.0082

Trichromacy



Original Color

42.0774, 23.8867, 37.9902

Protanomaly

27.9754, 21.2446, 54.2559

Deuteranomaly

28.6338, 21.9990, 35.5379

Tritanomaly

38.1933, 23.5632, 19.9879

Monochromacy



Original Color

42.0774, 23.8867, 37.9902

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

25.6876, 20.3381, 27.7711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0774, 23.8867, 37.9902 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(232, 67, 165)` looks like.

```
.text, #text, p{  
    color:rgb(232, 67, 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(232, 67, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 67, 165) }
```

Border

The CSS property to change the border of an element to XYZ 42.0774, 23.8867, 37.9902 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(232, 67, 165) }
```


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

```
.border{ border-color:rgb(232, 67, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 67, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 67, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 67, 165);  
box-shadow:4px 4px 4px 4px rgb(232, 67,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0774, 23.8867, 37.9902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 67, 165) }
```

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

```
.background{ background-color: rgb(232, 67,  
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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