

Converting Colors

XYZ(48.4387, 37.1967, 75.8734)

Have a look what the booklet for
XYZ(48.4387, 37.1967, 75.8734)
contains.

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Color

**XYZ(48.2768, 37.0233,
75.8359)**

Conversions

Conversions Part 1

Format	Color
Hex	CE8BE1
RGB	206, 139, 225
RGB Percent	81%, 55%, 88%
CMY	0.1922, 0.4549, 0.1176
CMYK	0.08, 0.38, 0.00, 0.12
HSL	287°, 59%, 71%
HSV	287°, 38%, 88%
XYZ	48.2768, 37.0233, 75.8359
YIQ	168.8370, 12.3260, 40.9500

Conversions

Conversions Part 2

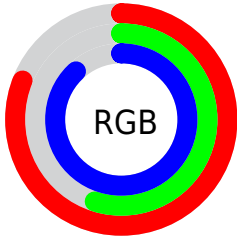
Format	Color
R _Y B	206, 139, 225
Decimal	13536225
CIE Lab	67.29, 39.91, -33.67
CIE LCh	67, 52.216, 319.844
Yxy	37.0233, 0.2996, 0.2298
Android (android.graphics.Color)	4291726305 (0xFFCE8BE1)
YUV	168.8370, 27.6884, 32.5920
Hunter-Lab	60.8468, 35.1429, -31.3029

Details

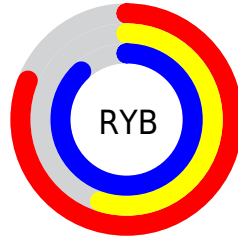
The XYZ color **48.2768, 37.0233, 75.8359** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **45.6872, 62.9845, 34.1771**, and the grayscale version is **37.4960, 39.4487, 42.9596**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **23.1473, 16.1650, 39.4363** is the 20% darker color. If you saturate the color by 10%, you get **43.9901, 30.4655, 74.7966**, and if you desaturate by 10%, it is **53.2801, 44.9476, 77.1023**.

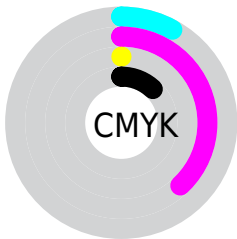
Distribution



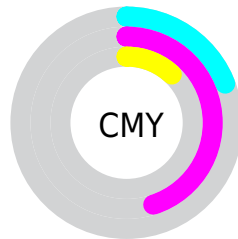
- Red (81%)
- Green (55%)
- Blue (88%)



- Red (81%)
- Yellow (55%)
- Blue (88%)



- Cyan (8%)
- Magenta (38%)
- Yellow (0%)
- Black (12%)





- Cyan (19%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2768, 37.0233, 75.8359 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 48.2768, 37.0233, 75.8359 by changing the saturation by 10% instead.


 48.2768, 37.0233,
75.8359


 48.2768, 37.0233,
75.8359


370.4526,
333.4114, 500.1176


 34.2583, 25.2255,
55.7921


 86.8236, 70.6086,
129.2529

 23.2559, 16.2452,
39.6334


 112.0826, 93.1650,
163.4631

 14.9043, 9.6978,
26.9412


 141.8192,
120.0763, 203.2326

 8.8382, 5.1991,
17.2970

176.3986,
151.7270, 248.9799

 4.6920, 2.3645,
10.2823

216.1863,
188.5014, 301.1235

 2.1006, 0.8075,
5.4785

261.5477,

 0.6895, 0.0000,

230.7841, 360.0820

2.4670

312.8480,
278.9592, 426.2738

■ 0.0000, 0.0000,
0.8226

■ 0.0000, 0.0000,
0.0000

■ 48.2768, 37.0233,
75.8359

■ 48.2768, 37.0233,
75.8359

■ 43.9901, 30.4655,
74.7966

■ 53.2801, 44.9476,
77.1023

■ 40.3743, 25.1863,
73.9682

■ 59.0344, 54.3095,
78.6061

■ 37.3844, 21.0951,
73.3361

■ 65.5765, 65.1810,
80.3597

■ 34.9676, 18.0872,
72.8829

■ 72.9395, 77.6278,
82.3741

■ 33.0619, 16.0392,
72.5880

■ 81.1545, 91.7115,
84.6595

■ 31.5785, 14.7739,
72.4220

■ 83.8854, 94.7596,
85.1039

■ 31.3354, 14.5840,
72.3982

■ 85.5575, 95.6216,
85.1822

■ 87.2758, 96.5074,
85.2626

■ 89.0408, 97.4173,
85.3452

Harmonies

Analogous

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



40.6630, 37.0233, 97.4300



48.2768, 37.0233, 75.8359



52.5692, 37.0233, 48.5731

Triad

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



48.2768, 37.0233, 75.8359



37.9668, 37.0233, 10.6723



22.6333, 37.0233, 57.1568

Complementary

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



48.2768, 37.0233, 75.8359



45.6872, 62.9845, 34.1771

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.



22.1369, 37.0233, 33.0452



48.2768, 37.0233, 75.8359



30.2307, 37.0233, 11.4845

Square

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



48.2768, 37.0233, 75.8359



46.0481, 37.0233, 15.1791



24.7110, 37.0233, 18.0853



26.1881, 37.0233, 84.1231

Rectangle

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



48.2768, 37.0233, 75.8359



52.5882, 37.0233, 33.2520



24.7110, 37.0233, 18.0853



22.1262, 37.0233, 48.3068

Sweetspot

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



48.2781, 37.0249, 75.8367



84.5021, 82.2344, 106.0268



36.6492, 35.7461, 76.2028



17.8285, 17.1709, 22.6246



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.



48.2781, 37.0249, 75.8367



59.4357, 41.9830, 99.5787



50.9536, 38.7417, 60.7120



13.9833, 13.7749, 17.3095



18.1608, 8.4575, 41.7236



1.3328, 0.6244, 2.8955

Inverse Universe

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



46.4567, 36.9430, 37.0315



56.9516, 42.0174, 40.0484



44.0896, 61.9466, 43.7861



13.8306, 13.7499, 14.8781



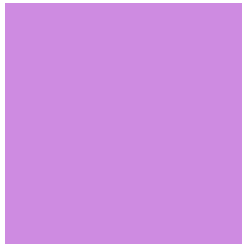
18.2573, 9.3699, 2.7547



1.2990, 0.6629, 0.3672

Previews

White Background



This preview shows how the XYZ color 48.2768, 37.0233, 75.8359 looks on a white background.

Color Contrast Check

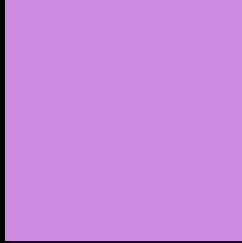
Large Text (above 18pt) WCAG AA × Fail

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 48.2768, 37.0233, 75.8359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

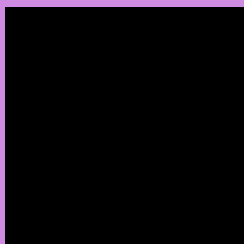
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2768, 37.0233, 75.8359

Background



This preview shows how black text looks on a background with the XYZ color 48.2768, 37.0233, 75.8359.



This preview shows how white text looks on a background with the XYZ color 48.2768, 37.0233,

75.8359.

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

48.2768, 37.0233, 75.8359

Protanopia

39.2391, 37.2792, 89.9215

Deuteranopia

38.1842, 37.3570, 73.6047



Tritanopia

40.9550, 37.0071, 40.1065

Trichromacy



Original Color

48.2768, 37.0233, 75.8359

Protanomaly

41.4318, 36.5200, 84.2222

Deuteranomaly

41.1026, 36.8201, 74.0479

Tritanomaly

43.1161, 36.6920, 51.2642

Monochromacy



Original Color

48.2768, 37.0233, 75.8359

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.7036, 38.0729, 53.3476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2768, 37.0233, 75.8359 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(206, 139, 225)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 225)  
}
```

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(206, 139, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 225) }
```

Border

The CSS property to change the border of an element to XYZ 48.2768, 37.0233, 75.8359 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(206, 139, 225) }
```


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

```
.border{ border-color:rgb(206, 139, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 225);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2768, 37.0233, 75.8359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 225) }
```

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

```
.background{ background-color: rgb(206,  
139, 225) }
```

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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