

Converting Colors

XYZ(42.6742, 37.4059, 69.3187)

Have a look what the booklet for
XYZ(42.6742, 37.4059, 69.3187)
contains.

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Color

**XYZ(42.7130, 37.5125,
69.2794)**

Conversions

Conversions Part 1

Format	Color
Hex	B599D7
RGB	181, 153, 215
RGB Percent	71%, 60%, 84%
CMY	0.2902, 0.4000, 0.1569
CMYK	0.16, 0.29, 0.00, 0.16
HSL	267°, 44%, 72%
HSV	267°, 29%, 84%
XYZ	42.7130, 37.5125, 69.2794
YIQ	168.4400, -3.2140, 25.2180

Conversions

Conversions Part 2

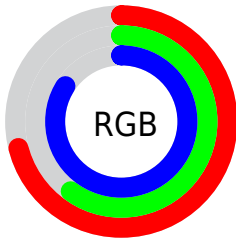
Format	Color
R_{YB}	181, 153, 215
Decimal	11901399
CIE _{Lab}	67.66, 22.38, -27.78
CIE _{LCh}	68, 35.671, 308.855
Yxy	37.5125, 0.2857, 0.2509
Android (android.graphics.Color)	4290091479 (0xFFB599D7)
YUV	168.4400, 22.9541, 11.0151
Hunter-Lab	61.2474, 17.3000, -24.1920

Details

The XYZ color **42.7130, 37.5125, 69.2794** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.5449, 61.4665, 39.3389**, and the grayscale version is **37.3285, 39.2724, 42.7677**.

A 20% lighter version of the original color is **75.5309, 70.3363, 104.2031**, and **19.8489, 16.5528, 35.4066** is the 20% darker color. If you saturate the color by 10%, you get **36.8576, 29.7330, 68.0870**, and if you desaturate by 10%, it is **49.4389, 46.6837, 70.6957**.

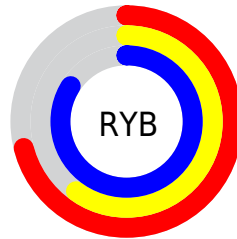
Distribution



Red (71%)

Green (60%)

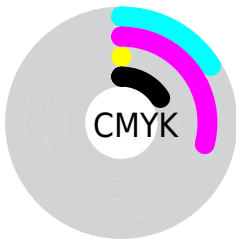
Blue (84%)



Red (71%)

Yellow (60%)

Blue (84%)

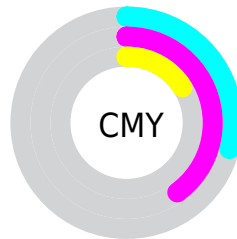


Cyan (16%)

Magenta (29%)

Yellow (0%)

Black (16%)



Cyan (29%)

Magenta (40%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7130, 37.5125, 69.2794 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 42.7130, 37.5125, 69.2794 by changing the saturation by 10% instead.

■ 42.7130, 37.5125,
69.2794

■ 42.7130, 37.5125,
69.2794

348.3717,
335.5241, 476.7364

■ 29.8535, 25.6045,
50.4661

■ 78.5360, 71.3603,
119.8520

■ 19.8750, 16.5280,
35.4101

■ 102.2303, 94.0690,
152.4484

■ 12.4119, 9.8986,
23.6929

130.2668,
121.1466, 190.4763

■ 7.0991, 5.3318,
14.8959

163.0110,
152.9777, 234.3542

■ 3.5710, 2.4432,
8.6005

200.8283,
189.9466, 284.5006

■ 1.4624, 0.8480,
4.3883

244.0839,

■ 0.3001, 0.0000,

232.4377, 341.3340

1.8407

293.1433,
280.8354, 405.2731

■ 0.0000, 0.0000,
0.4546

■ 0.0000, 0.0000,
0.0000

■ 42.7130, 37.5125,
69.2794

■ 42.7130, 37.5125,
69.2794

■ 36.8576, 29.7330,
68.0870

■ 49.4389, 46.6837,
70.6957

■ 31.8291, 23.2695,
67.1045

■ 57.0687, 57.3079,
72.3443

■ 27.5855, 18.0459,
66.3199

■ 65.6383, 69.4482,
74.2359

■ 24.0792, 13.9762,
65.7192

■ 75.1806, 83.1626,
76.3801

■ 21.2566, 10.9629,
65.2863

■ 83.9457, 94.9437,
78.1921

■ 19.0552, 8.8914,
65.0025

■ 88.0785, 97.0743,
78.3856

■ 17.3807, 7.5835,
64.8383

■ 89.2659, 97.6863,
78.4411

■ 17.2058, 7.4530,
64.8223

Harmonies

Analogous

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



37.3082, 37.5125, 78.6993



42.7130, 37.5125, 69.2794



46.4616, 37.5125, 52.7802

Triad

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



42.7130, 37.5125, 69.2794



39.6092, 37.5125, 18.5995



26.1882, 37.5125, 45.6893

Complementary

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



42.7130, 37.5125, 69.2794



50.5449, 61.4665, 39.3389

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.



26.6684, 37.5125, 30.8596



42.7130, 37.5125, 69.2794



34.0504, 37.5125, 17.6233

Square

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



42.7130, 37.5125, 69.2794



44.5454, 37.5125, 24.6309



29.4199, 37.5125, 21.4994



28.0331, 37.5125, 62.9575

Rectangle

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



42.7130, 37.5125, 69.2794



47.3142, 37.5125, 41.4533



29.4199, 37.5125, 21.4994



26.0874, 37.5125, 40.2422

Sweetspot

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



42.7142, 37.5140, 69.2802



83.6810, 83.9120, 106.3939



43.1955, 47.2630, 71.1366



17.5409, 17.4413, 22.6920



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.



42.7142, 37.5140, 69.2802



57.1099, 47.5314, 100.7722



50.7806, 41.6724, 69.6577



12.2699, 12.2805, 15.6612



10.4096, 4.5189, 38.7767



0.7225, 0.3213, 2.3433

Inverse Universe

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



48.3864, 40.8189, 52.3438



67.0573, 53.3322, 70.8441



43.7811, 57.9796, 39.0223



12.7053, 12.5336, 14.3885



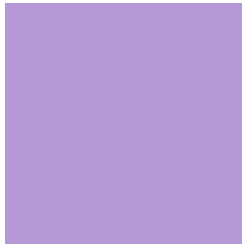
18.7686, 9.4437, 11.3513



1.1735, 0.5862, 0.9031

Previews

White Background



This preview shows how the XYZ color 42.7130, 37.5125, 69.2794 looks on a white background.

Color Contrast Check

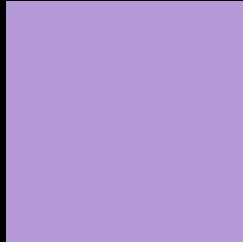
Large Text (above 18pt) WCAG AA × Fail

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 42.7130, 37.5125, 69.2794 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 42.7130, 37.5125, 69.2794

Background



This preview shows how black text looks on a background with the XYZ color 42.7130, 37.5125, 69.2794.



This preview shows how white text looks on a background with the XYZ color 42.7130, 37.5125,

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

42.7130, 37.5125, 69.2794

Protanopia

38.4948, 37.7642, 74.3676

Deuteranopia

38.4481, 37.6133, 68.1845



Tritanopia

37.8404, 37.5444, 45.2968

Trichromacy



Original Color

42.7130, 37.5125, 69.2794

Protanomaly

39.6815, 37.3843, 72.1423

Deuteranomaly

39.8456, 37.5438, 68.7649

Tritanomaly

39.5436, 37.4750, 53.2933

Monochromacy



Original Color

42.7130, 37.5125, 69.2794

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.0877, 38.5814, 51.2858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7130, 37.5125, 69.2794 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(181, 153, 215)` looks like.

```
.text, #text, p{  
    color:rgb(181, 153, 215)  
}
```

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(181, 153, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 153, 215) }
```

Border

The CSS property to change the border of an element to XYZ 42.7130, 37.5125, 69.2794 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(181, 153, 215) }
```


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

```
.border{ border-color:rgb(181, 153, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 153, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(181, 153,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7130, 37.5125, 69.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 153, 215) }
```

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

```
.background{ background-color: rgb(181,  
153, 215) }
```

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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