

Converting Colors

XYZ(49.4237, 42.4086, 87.3880)

Have a look what the booklet for
XYZ(49.4237, 42.4086, 87.3880)
contains.

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Color

**XYZ(49.3860, 42.3208,
87.2272)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BEA0EF |
| RGB | 190, 160, 239 |
| RGB Percent | 75%, 63%, 94% |
| CMY | 0.2549, 0.3725, 0.0627 |
| CMYK | 0.21, 0.33, 0.00, 0.06 |
| HSL | 263°, 71%, 78% |
| HSV | 263°, 33%, 94% |
| XYZ | 49.3860, 42.3208, 87.2272 |
| YIQ | 177.9760, -7.4790, 30.9290 |

Conversions

Conversions Part 2

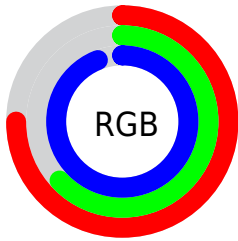
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 190, 160, 239 |
| Decimal | 12493039 |
| CIE Lab | 71.09, 26.57, -35.59 |
| CIE LCh | 71, 44.418, 306.746 |
| Yxy | 42.3208, 0.2760, 0.2365 |
| Android (android.graphics.Color) | 4290683119 (0xFFBEA0EF) |
| YUV | 177.9760, 30.0848, 10.5450 |
| Hunter-Lab | 65.0544, 21.6628, -33.9599 |

Details

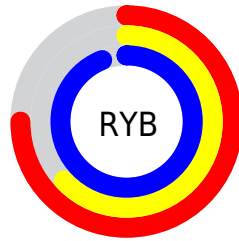
The XYZ color **49.3860, 42.3208, 87.2272** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.5075, 77.8274, 44.9345**, and the grayscale version is **42.1543, 44.3496, 48.2967**.

A 20% lighter version of the original color is **80.7082, 75.5950, 104.9453**, and **23.9015, 19.2949, 47.2643** is the 20% darker color. If you saturate the color by 10%, you get **42.1182, 33.0042, 85.8127**, and if you desaturate by 10%, it is **57.8297, 53.4277, 88.9267**.

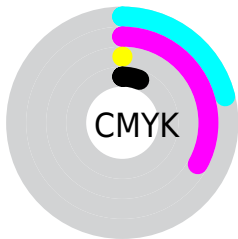
Distribution



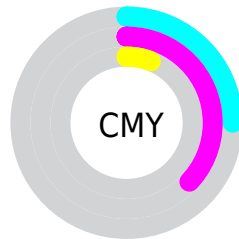
- Red (75%)
- Green (63%)
- Blue (94%)



- Red (75%)
- Yellow (63%)
- Blue (94%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)
- Black (6%)





- Cyan (25%)
- Magenta (37%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3860, 42.3208, 87.2272 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 49.3860, 42.3208, 87.2272 by changing the saturation by 10% instead.


 49.3860, 42.3208,
87.2272


 49.3860, 42.3208,
87.2272


374.7517,
355.8111, 539.3047

 35.1416, 29.3526,
65.1225


 88.4618, 78.6849,
145.3824

 23.9390, 19.3477,
47.1085

 114.0238,
102.8496, 182.2701

 15.4129, 11.9218,
32.7665


144.0891,
131.5152, 224.9225

 9.1978, 6.6904,
21.6779

179.0230,
165.0661, 273.7582

 4.9286, 3.2693,
13.4244

219.1908,
203.8868, 329.1957

 2.2398, 1.2739,
7.5873

264.9580,

 0.7636, 0.1208,

248.3616, 391.6537

3.7481

316.6899,
298.8749, 461.5505

■ 0.0000, 0.0000,
1.4882

■ 0.0000, 0.0000,
0.2091

■ 49.3860, 42.3208,
87.2272

■ 49.3860, 42.3208,
87.2272

■ 42.1182, 33.0042,
85.8127

■ 57.8297, 53.4277,
88.9267

■ 35.9649, 25.3755,
84.6645

■ 67.4979, 66.4096,
90.9229

■ 30.8655, 19.3294,
83.7663

■ 78.4415, 81.3519,
93.2303

■ 26.7509, 14.7463,
83.0985

■ 90.5138, 97.9468,
95.7971

■ 23.5427, 11.4887,
82.6388

■ 92.5801, 99.0121,
95.8938

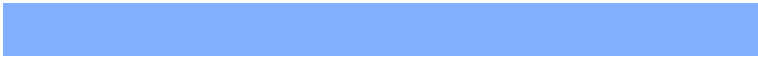
■ 21.1477, 9.3908,
82.3601

■ 19.8708, 8.4440,
82.2446

Harmonies

Analogous

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



41.9254, 42.3208, 99.7868



49.3860, 42.3208, 87.2272



54.8210, 42.3208, 64.1835

Triad

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



49.3860, 42.3208, 87.2272



46.1293, 42.3208, 17.7954



27.6460, 42.3208, 51.0527

Complementary

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



49.3860, 42.3208, 87.2272



63.5075, 77.8274, 44.9345

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.



28.4806, 42.3208, 31.7477



49.3860, 42.3208, 87.2272



38.5705, 42.3208, 16.2321

Square

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



49.3860, 42.3208, 87.2272



52.7849, 42.3208, 25.6896



32.2727, 42.3208, 20.4664



29.8339, 42.3208, 75.1299

Rectangle

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



49.3860, 42.3208, 87.2272



56.2304, 42.3208, 48.4404



32.2727, 42.3208, 20.4664



27.5869, 42.3208, 43.7979

Sweetspot

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



49.3874, 42.3225, 87.2282



81.8664, 81.9184, 106.1047



53.1335, 59.8167, 90.4074



17.1523, 17.0302, 22.6331



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.



49.3874, 42.3225, 87.2282



51.1121, 41.1742, 99.8613



60.2952, 47.9457, 87.7386



15.4646, 15.5212, 19.9024



11.1155, 4.7357, 45.4561



1.0320, 0.4493, 3.7865

Inverse Universe

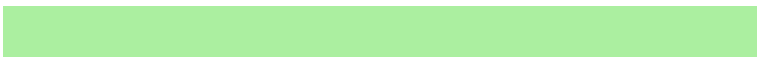
The Inverse Universe completely reimagines the original color for something new.



59.6774, 48.0975, 66.4616



65.0604, 49.0141, 71.1780



53.9062, 72.8778, 44.4852



16.1850, 15.9237, 18.5305



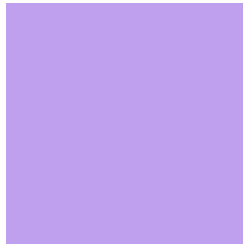
22.7019, 11.3532, 16.8785



1.9368, 0.9638, 1.6583

Previews

White Background



This preview shows how the XYZ color 49.3860, 42.3208, 87.2272 looks on a white background.

Color Contrast Check

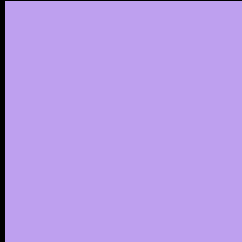
Large Text (above 18pt) WCAG AA × Fail

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 49.3860, 42.3208, 87.2272 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 49.3860, 42.3208, 87.2272

Background



This preview shows how black text looks on a background with the XYZ color 49.3860, 42.3208, 87.2272.



This preview shows how white text looks on a background with the XYZ color 49.3860, 42.3208,

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

49.3860, 42.3208, 87.2272

Protanopia

44.2735, 42.7664, 94.7282

Deuteranopia

43.7489, 42.6874, 86.0544



Tritanopia

42.0370, 42.2898, 51.2946

Trichromacy



Original Color

49.3860, 42.3208, 87.2272

Protanomaly

46.0011, 42.5972, 92.1838

Deuteranomaly

45.5837, 42.5031, 86.6903

Tritanomaly

44.4850, 42.1874, 62.9251

Monochromacy



Original Color

49.3860, 42.3208, 87.2272

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.2796, 43.2410, 60.6561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3860, 42.3208, 87.2272 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(190, 160, 239)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 239)  
}
```

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(190, 160, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 239) }
```

Border

The CSS property to change the border of an element to XYZ 49.3860, 42.3208, 87.2272 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(190, 160, 239) }
```


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

```
.border{ border-color:rgb(190, 160, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 160, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 239);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3860, 42.3208, 87.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 239) }
```

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

```
.background{ background-color: rgb(190,  
160, 239) }
```

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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