

Converting Colors

CIELCh(46, 72.437, 327.306)

Have a look what the booklet for
CIELCh(46, 72.437, 327.306)
contains.

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Color

CIELCh(46, 72.537, 327.096)

Conversions

Conversions Part 1

Format	Color
Hex	AE3BB0
RGB	174, 59, 176
RGB Percent	68%, 23%, 69%
CMY	0.3175, 0.7685, 0.3097
CMYK	0.01, 0.66, 0.00, 0.31
HSL	299°, 50%, 46%
HSV	299°, 66%, 69%
XYZ	26.8667, 15.2687, 42.6199
YIQ	106.7230, 30.9830, 60.7670

Conversions

Conversions Part 2

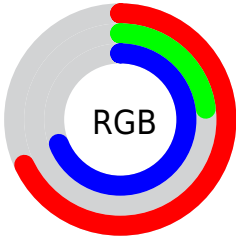
Format	Color
RYB	174, 59, 176
Decimal	11418544
CIELab	46.00, 60.90, -39.40
CIElCh	46, 72.537, 327.096
Yxy	15.2687, 0.3170, 0.1802
Android (android.graphics.Color)	4289608624 (0xFFAE3BB0)
YUV	106.7230, 34.1536, 59.0019
Hunter-Lab	39.0751, 54.3489, -37.3160

Details

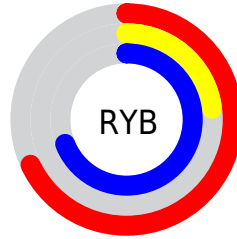
The CIELCh color **46, 72.537, 327.096** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **64, 73.458, 138.326**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.524, 327.070**, and **28, 67.497, 326.689** is the 20% darker color. If you saturate the color by 10%, you get **44, 79.429, 327.346**, and if you desaturate by 10%, it is **49, 63.830, 326.758**.

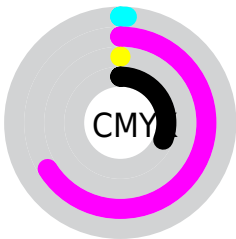
Distribution



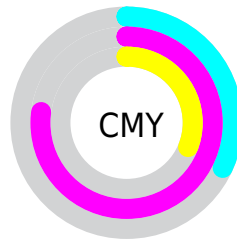
- Red (68%)
- Green (23%)
- Blue (69%)



- Red (68%)
- Yellow (23%)
- Blue (69%)



- Cyan (1%)
- Magenta (66%)
- Yellow (0%)
- Black (31%)




- Cyan (32%)
- Magenta (77%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 72.537, 327.096 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 CIELCh color 46, 72.537, 327.096 by changing the saturation by 10% instead.


 46, 72.537,
327.096


 46, 72.537,
327.096


 100, 72.537,
327.096

 36, 72.537,
327.096

 66, 72.537,
327.096


 26, 72.537,
327.096

 76, 72.537,
327.096

 16, 72.537,
327.096

 86, 72.537,
327.096

 6, 72.537, 327.096

 96, 72.537,
327.096

 0, 72.537, 327.096

 46, 72.537,

 46, 72.537,

327.096

■ 44, 79.429,
327.346

■ 42, 84.207,
327.497

■ 41, 86.862,
327.551

■ 41, 87.582,
327.561

327.096

■ 49, 63.830,
326.758

■ 52, 53.744,
326.346

■ 56, 42.723,
325.879

■ 60, 31.160,
325.374

■ 64, 19.365,
324.847

■ 69, 7.563, 324.299

■ 74, 4.090, 143.861

■ 78, 15.497,
143.307

■ 83, 26.601,
142.808

Harmonies

Complementary

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



46, 72.537, 327.096



64, 73.458, 138.326

Rectangle

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



46, 72.537, 327.096



46, 72.537, 17.096



46, 72.537, 147.096



46, 72.537, 197.096

Sweetspot

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



46, 72.535, 327.096



80, 29.217, 325.054



33, 70.024, 299.793



41, 19.918, 325.199



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 72.535, 327.096



56, 100.064, 327.433



44, 54.162, 349.549



35, 6.715, 324.460



36, 78.984, 327.568



3, 16.125, 323.740

Inverse Universe

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



42, 53.925, 27.959



51, 81.122, 33.101



64, 52.253, 154.292



35, 3.910, 18.529



31, 70.292, 38.844



2, 9.160, 18.306

Previews

White Background



This preview shows how the CIELCh color 46, 72.537, 327.096 looks on a white background.

Color Contrast Check

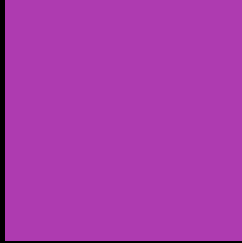
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 72.537, 327.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

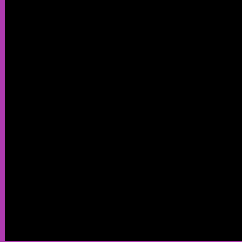
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 72.537, 327.096

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.537, 327.096.

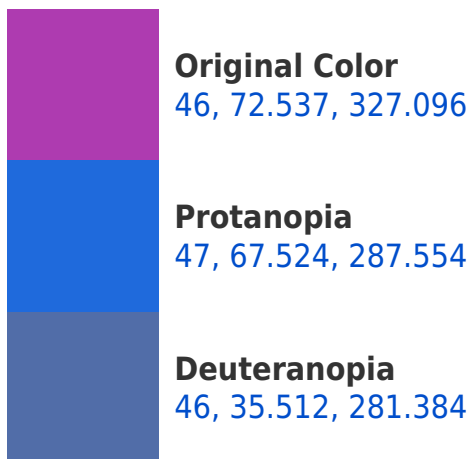


This preview shows how white text looks on a background with the CIELCh color 46, 72.537, 327.096.

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





Tritanopia
46, 34.492, 18.831

Trichromacy



Original Color
46, 72.537, 327.096



Protanomaly
43, 68.474, 297.707



Deuteranomaly
44, 48.442, 305.240



Tritanomaly
46, 44.024, 348.949

Monochromacy



Original Color
46, 72.537, 327.096



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 29.522, 325.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.537, 327.096 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(174, 59, 176)` looks like.

```
.text, #text, p{  
    color:rgb(174, 59, 176)  
}
```

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(174, 59, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 59, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.537, 327.096 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(174, 59, 176) }
```

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

```
.border{ border-color:rgb(174, 59, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 59, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 59, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 59, 176);  
box-shadow:4px 4px 4px 4px rgb(174, 59,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.537, 327.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 59, 176) }
```

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

```
.background{ background-color: rgb(174, 59,  
176) }
```

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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