

Converting Colors

CIELCh(46, 69.438, 337.362)

Have a look what the booklet for
CIELCh(46, 69.438, 337.362)
contains.

CIELCh(46, 69.409, 337.208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 69.409, 337.208)

Conversions

Conversions Part 1

Format	Color
Hex	BB329B
RGB	187, 50, 155
RGB Percent	73%, 20%, 61%
CMY	0.2658, 0.8029, 0.3914
CMYK	0.00, 0.73, 0.17, 0.27
HSL	314°, 58%, 47%
HSV	314°, 73%, 73%
XYZ	27.6325, 15.2687, 32.5904
YIQ	102.9330, 47.9470, 61.6990

Conversions

Conversions Part 2

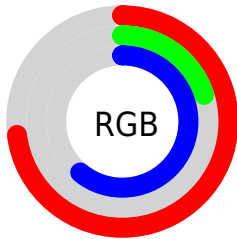
Format	Color
R _Y B	187, 50, 155
Decimal	12268187
CIE _{Lab}	46.00, 63.99, -26.89
CIE _{LCh}	46, 69.409, 337.208
Yxy	15.2687, 0.3660, 0.2023
Android (android.graphics.Color)	4290458267 (0xFFBB329B)
YUV	102.9330, 25.6690, 73.7268
Hunter-Lab	39.0751, 57.8472, -22.0978

Details

The CIELCh color **46, 69.409, 337.208** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **67, 71.835, 143.860**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 69.450, 337.042**, and **29, 59.957, 338.260** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.850, 338.229**, and if you desaturate by 10%, it is **49, 62.867, 336.300**.

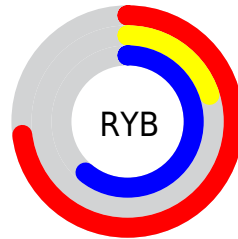
Distribution



Red (73%)

Green (20%)

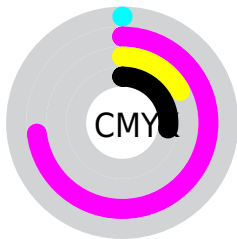
Blue (61%)



Red (73%)

Yellow (20%)

Blue (61%)

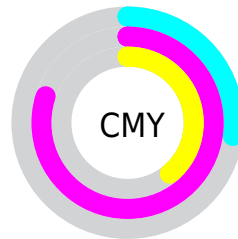


Cyan (0%)

Magenta (73%)

Yellow (17%)

Black (27%)



Cyan (27%)

Magenta (80%)

Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 69.409, 337.208 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, 69.409, 337.208 by changing the saturation by 10% instead.

 46, 69.409,
337.208


 46, 69.409,
337.208


 100, 69.409,
337.208


 36, 69.409,
337.208

 66, 69.409,
337.208


 26, 69.409,
337.208

 76, 69.409,
337.208

 16, 69.409,
337.208

 86, 69.409,
337.208

 6, 69.409, 337.208

 96, 69.409,
337.208

 0, 69.409, 337.208

 46, 69.409,

 46, 69.409,

337.208

337.208

■ 44, 73.850,
338.229

■ 49, 62.867,
336.300

■ 43, 76.004,
339.408

■ 52, 54.648,
335.467

■ 42, 76.533,
340.299

■ 56, 45.234,
334.687

■ 60, 35.075,
333.947

■ 65, 24.537,
333.240

■ 69, 13.888,
332.557

■ 74, 3.311, 331.844

■ 79, 7.076, 151.366

■ 85, 17.207,
150.758

Harmonies

Complementary

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



46, 69.409, 337.208



67, 71.835, 143.860

Rectangle

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



46, 69.409, 337.208



46, 69.409, 27.208



46, 69.409, 157.208



46, 69.409, 207.208

Sweetspot

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



46, 69.406, 337.208



82, 28.735, 333.184



33, 83.044, 306.198



42, 19.470, 333.373



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 69.406, 337.208



56, 91.564, 338.945



44, 57.578, 11.526



37, 6.006, 332.300



35, 67.681, 340.106



3, 17.066, 336.054

Inverse Universe

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



46, 69.406, 337.208



56, 91.564, 338.945



68, 45.516, 169.655



37, 6.006, 332.300



35, 67.681, 340.106



3, 17.066, 336.054

Previews

White Background



This preview shows how the CIELCh color 46, 69.409, 337.208 looks on a white background.

Color Contrast Check

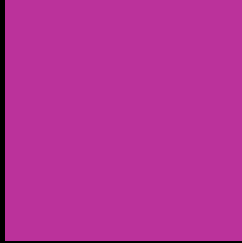
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 46, 69.409, 337.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

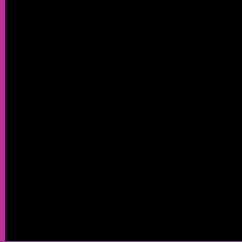
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 69.409, 337.208

Background



This preview shows how black text looks on a background with the CIELCh color 46, 69.409, 337.208.

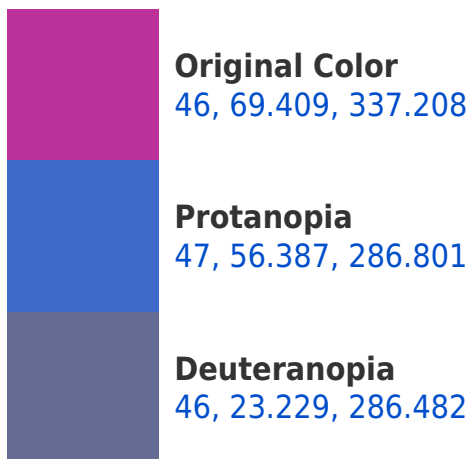


This preview shows how white text looks on a background with the CIELCh color 46, 69.409, 337.208.

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, 47.176, 24.232

Trichromacy



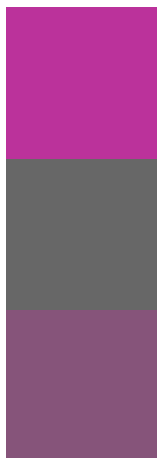
Original Color
46, 69.409, 337.208

Protanomaly
43, 59.502, 303.724

Deuteranomaly
44, 40.741, 317.926

Tritanomaly
46, 50.820, 2.042

Monochromacy



Original Color
46, 69.409, 337.208

Achromatopsia
44, 0.006, 296.813

Achromatomaly
42, 29.854, 334.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 69.409, 337.208 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(187, 50, 155)` looks like.

```
.text, #text, p{  
    color:rgb(187, 50, 155)  
}
```

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(187, 50, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 50, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 69.409, 337.208 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(187, 50, 155) }
```

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

```
.border{ border-color:rgb(187, 50, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 50, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 50, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 50, 155);  
box-shadow:4px 4px 4px 4px rgb(187, 50,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 69.409, 337.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 50, 155) }
```

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

```
.background{ background-color: rgb(187, 50,  
155) }
```

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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