

Converting Colors

CIELCh(46, 65.486, 326.915)

Have a look what the booklet for
CIELCh(46, 65.486, 326.915)
contains.

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Color

CIELCh(46, 65.737, 326.829)

Conversions

Conversions Part 1

Format	Color
Hex	A843AA
RGB	168, 67, 170
RGB Percent	66%, 26%, 67%
CMY	0.3408, 0.7368, 0.3329
CMYK	0.01, 0.61, 0.00, 0.33
HSL	299°, 43%, 47%
HSV	299°, 61%, 67%
XYZ	25.4491, 15.2687, 39.6860
YIQ	108.9410, 27.1330, 53.4450

Conversions

Conversions Part 2

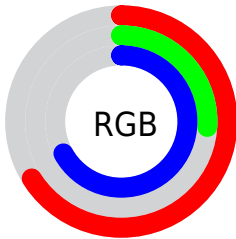
Format	Color
R_{YB}	168, 67, 170
Decimal	11027370
CIE _{Lab}	46.00, 55.02, -35.97
CIE _{LCh}	46, 65.737, 326.829
Yxy	15.2687, 0.3165, 0.1899
Android (android.graphics.Color)	4289217450 (0xFFA843AA)
YUV	108.9410, 30.1021, 51.7947
Hunter-Lab	39.0751, 47.8729, -32.8643

Details

The CIELCh color **46, 65.737, 326.829** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 66.292, 138.936**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 65.983, 326.889**, and **26, 65.097, 326.940** is the 20% darker color. If you saturate the color by 10%, you get **44, 73.563, 327.131**, and if you desaturate by 10%, it is **49, 56.399, 326.447**.

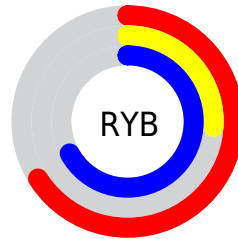
Distribution



Red (66%)

Green (26%)

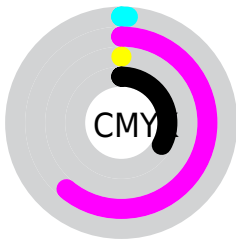
Blue (67%)



Red (66%)

Yellow (26%)

Blue (67%)

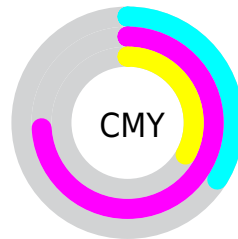


Cyan (1%)

Magenta (61%)

Yellow (0%)

Black (33%)



Cyan (34%)


Magenta (74%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 65.737, 326.829 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, 65.737, 326.829 by changing the saturation by 10% instead.


 46, 65.737,
326.829


 46, 65.737,
326.829


 100, 65.737,
326.829


 36, 65.737,
326.829

 66, 65.737,
326.829


 26, 65.737,
326.829

 76, 65.737,
326.829

 16, 65.737,
326.829


 86, 65.737,
326.829

 6, 65.737, 326.829

 96, 65.737,
326.829

 0, 65.737, 326.829

 46, 65.737,

 46, 65.737,

326.829

326.829

■ 44, 73.563,
327.131

■ 49, 56.399,
326.447

■ 42, 79.499,
327.338

■ 53, 45.993,
326.003

■ 40, 83.326,
327.445

■ 56, 34.921,
325.514

■ 40, 85.399,
327.473

■ 61, 23.515,
324.997

■ 65, 12.026,
324.463

■ 69, 0.629, 323.599

■ 74, 10.562,
143.462

■ 79, 21.479,
142.953

■ 83, 32.083,
142.473

Harmonies

Complementary

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



46, 65.737, 326.829



62, 66.292, 138.936

Rectangle

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



46, 65.737, 326.829



46, 65.737, 16.829



46, 65.737, 146.829



46, 65.737, 196.829

Sweetspot

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



46, 65.735, 326.829



79, 25.553, 324.880



35, 61.452, 298.402



40, 17.909, 325.030



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 65.735, 326.829



56, 92.703, 327.221



44, 49.012, 348.484



33, 6.391, 324.393



34, 77.057, 327.481



2, 11.571, 323.710

Inverse Universe

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



43, 47.274, 26.071



51, 71.902, 30.315



63, 47.027, 155.275



33, 3.723, 18.336



30, 68.332, 38.587



1, 6.576, 18.016

Previews

White Background



This preview shows how the CIELCh color 46, 65.737, 326.829 looks on a white background.

Color Contrast Check

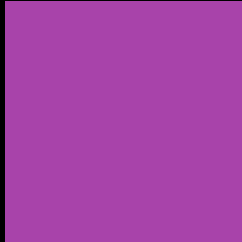
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.737, 326.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

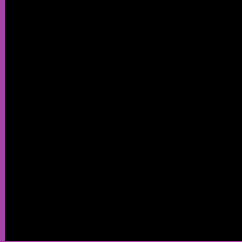
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 65.737, 326.829

Background



This preview shows how black text looks on a background with the CIELCh color 46, 65.737, 326.829.

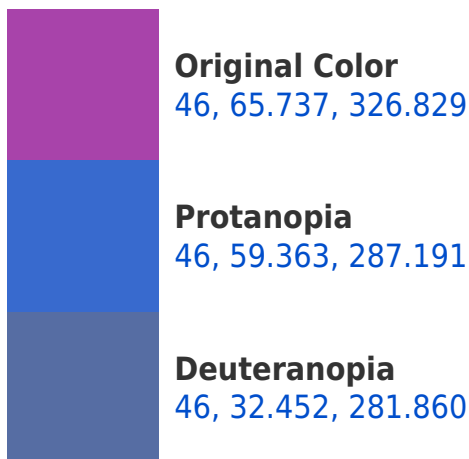


This preview shows how white text looks on a background with the CIELCh color 46, 65.737, 326.829.

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, 31.268, 16.610

Trichromacy



Original Color
46, 65.737, 326.829

Protanomaly
44, 60.149, 299.090

Deuteranomaly
45, 43.640, 305.098

Tritanomaly
45, 39.835, 348.226

Monochromacy



Original Color
46, 65.737, 326.829

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 26.050, 325.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 65.737, 326.829 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(168, 67, 170)` looks like.

```
.text, #text, p{  
    color:rgb(168, 67, 170)  
}
```

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(168, 67, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 67, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 65.737, 326.829 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(168, 67, 170) }
```

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

```
.border{ border-color:rgb(168, 67, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 67, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 67, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 67, 170);  
box-shadow:4px 4px 4px 4px rgb(168, 67,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 65.737, 326.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 67, 170) }
```

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

```
.background{ background-color: rgb(168, 67,  
170) }
```

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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