

Converting Colors

CIELCh(46, 44.443, 269.843)

Have a look what the booklet for
CIELCh(46, 44.443, 269.843)
contains.

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Color

CIELCh(46, 44.322, 269.821)

Conversions

Conversions Part 1

Format	Color
Hex	0171B7
RGB	1, 113, 183
RGB Percent	0%, 44%, 72%
CMY	0.9975, 0.5563, 0.2818
CMYK	1.00, 0.38, 0.00, 0.28
HSL	203°, 99%, 36%
HSV	203°, 100%, 72%
XYZ	14.4899, 15.2687, 47.0634
YIQ	87.4920, -89.2220, -1.9740

Conversions

Conversions Part 2

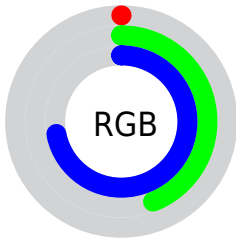
Format	Color
R_YB	1, 70, 183
Decimal	94647
CIE _{Lab}	46.00, -0.14, -44.32
CIE _{LCh}	46, 44.322, 269.821
Yxy	15.2687, 0.1886, 0.1988
Android (android.graphics.Color)	4278284727 (0xFF0171B7)
YUV	87.4920, 47.0854, -75.8535
Hunter-Lab	39.0751, -2.1900, -44.0583

Details

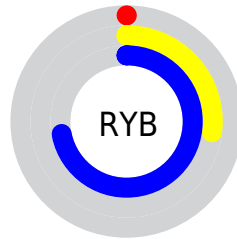
The CIELCh color **46, 44.322, 269.821** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 70.200, 52.141**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 44.266, 269.994**, and **28, 41.331, 281.387** is the 20% darker color. If you saturate the color by 10%, you get **46, 44.446, 269.983**, and if you desaturate by 10%, it is **48, 40.815, 264.923**.

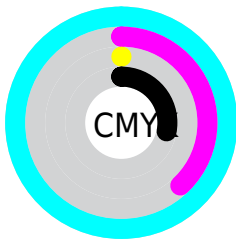
Distribution



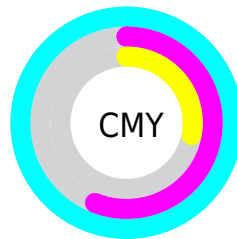
- Red (0%)
- Green (44%)
- Blue (72%)



- Red (0%)
- Yellow (27%)
- Blue (72%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (56%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 44.322, 269.821 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, 44.322, 269.821 by changing the saturation by 10% instead.


 46, 44.322,
269.821


 46, 44.322,
269.821


 100, 44.322,
269.821

 36, 44.322,
269.821

 66, 44.322,
269.821


 26, 44.322,
269.821

 76, 44.322,
269.821

 16, 44.322,
269.821

 86, 44.322,
269.821

 6, 44.322, 269.821

 96, 44.322,
269.821

 0, 44.322, 269.821

 46, 44.322,

 46, 44.322,

269.821

■ 46, 44.446,
269.983

269.821

■ 48, 40.815,
264.923

■ 51, 37.311,
260.328

■ 53, 33.632,
256.304

■ 56, 29.678,
252.887

■ 59, 25.402,
250.042

■ 62, 20.802,
247.703

■ 65, 15.900,
245.793

■ 68, 10.738,
244.240

Harmonies

Complementary

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



46, 44.322, 269.821



45, 70.200, 52.141

Rectangle

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



46, 44.322, 269.821



46, 44.322, 319.821



46, 44.322, 89.821



46, 44.322, 139.821

Sweetspot

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



46, 44.321, 269.822



82, 19.808, 245.938



65, 77.339, 144.085



42, 13.503, 246.707



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 44.321, 269.822



59, 54.626, 270.895



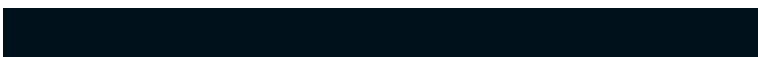
24, 98.110, 304.576



37, 3.152, 242.964



39, 39.025, 269.280



4, 9.193, 255.975

Inverse Universe

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



40, 68.657, 351.387



52, 83.111, 352.012



66, 69.642, 94.761



36, 5.276, 338.523



34, 61.021, 351.077



3, 13.166, 344.068

Previews

White Background



This preview shows how the CIE LCh color 46, 44.322, 269.821 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, 44.322, 269.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

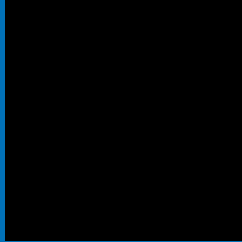
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 44.322, 269.821

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.322, 269.821.



This preview shows how white text looks on a background with the CIELCh color 46, 44.322, 269.821.

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, 27.957, 206.525

Trichromacy



Original Color
46, 44.308, 269.872

Protanomaly
46, 42.910, 276.862

Deuteranomaly
46, 45.110, 274.595

Tritanomaly
46, 29.501, 236.566

Monochromacy



Original Color
46, 44.308, 269.872

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 19.637, 250.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.322, 269.821 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(1, 113, 183)` looks like.

```
.text, #text, p{  
    color:rgb(1, 113, 183)  
}
```

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(1, 113, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 113, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.322, 269.821 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(1, 113, 183) }
```

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

```
.border{ border-color:rgb(1, 113, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 113, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 113, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 113, 183);  
box-shadow:4px 4px 4px 4px rgb(1, 113,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.322, 269.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 113, 183) }
```

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

```
.background{ background-color: rgb(1, 113,  
183) }
```

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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