

Converting Colors

CIELCh(43, 48.368, 268.939)

Have a look what the booklet for
CIELCh(43, 48.368, 268.939)
contains.

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Color

CIELCh(44, 46.830, 273.925)

Conversions

Conversions Part 1

Format	Color
Hex	006BB6
RGB	0, 107, 182
RGB Percent	0%, 42%, 71%
CMY	1.0000, 0.5811, 0.2871
CMYK	1.00, 0.41, 0.00, 0.29
HSL	205°, 100%, 36%
HSV	205°, 100%, 71%
XYZ	13.6480, 13.8382, 46.0899
YIQ	83.5570, -87.8470, 0.6410

Conversions

Conversions Part 2

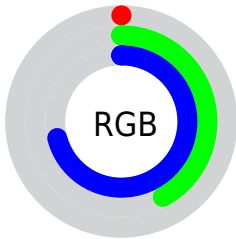
Format	Color
RYB	0, 67, 182
Decimal	27574
CIELab	44.00, 3.21, -46.72
CIELCh	44, 46.830, 273.925
Yxy	13.8382, 0.1855, 0.1881
Android (android.graphics.Color)	4278217654 (0xFF006BB6)
YUV	83.5570, 48.5324, -73.2795
Hunter-Lab	37.1997, 0.3891, -47.4196

Details

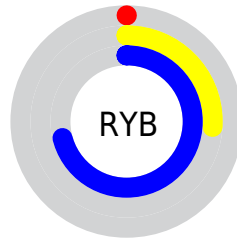
The CIELCh color **44, 46.830, 273.925** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 68.929, 54.021**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 46.571, 273.596**, and **26, 43.983, 284.804** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.819, 273.968**, and if you desaturate by 10%, it is **46, 42.811, 269.156**.

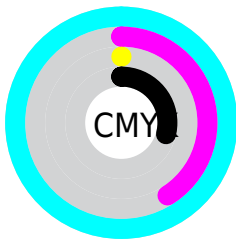
Distribution



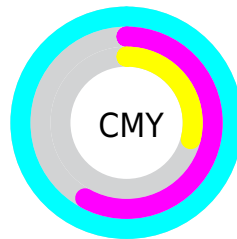
- Red (0%)
- Green (42%)
- Blue (71%)



- Red (0%)
- Yellow (26%)
- Blue (71%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (29%)




- Cyan (100%)
- Magenta (58%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 46.830, 273.925 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 44, 46.830, 273.925 by changing the saturation by 10% instead.


 44, 46.830,
273.925

 44, 46.830,
273.925


 100, 46.830,
273.925

 34, 46.830,
273.925

 64, 46.830,
273.925


 24, 46.830,
273.925

 74, 46.830,
273.925

 14, 46.830,
273.925

 84, 46.830,
273.925

 4, 46.830, 273.925

 94, 46.830,
273.925

 0, 46.830, 273.925

 44, 46.830,

 44, 46.830,

273.925

■ 44, 46.819,
273.968

273.925

■ 46, 42.811,
269.156

■ 49, 38.868,
264.563

■ 52, 34.822,
260.489

■ 55, 30.573,
256.990

■ 58, 26.067,
254.048

■ 61, 21.292,
251.606

■ 64, 16.264,
249.593

■ 67, 11.014,
247.941

Harmonies

Complementary

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



44, 46.830, 273.925



46, 68.929, 54.021

Rectangle

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



44, 46.830, 273.925



44, 46.830, 323.925



44, 46.830, 93.925



44, 46.830, 143.925

Sweetspot

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



44, 46.819, 273.968



81, 20.169, 249.687



65, 75.946, 144.682



42, 13.769, 250.493



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



44, 46.819, 273.968



57, 57.961, 274.887



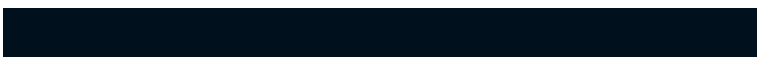
23, 98.868, 304.937



37, 3.190, 246.526



38, 41.315, 273.309



4, 9.423, 259.190

Inverse Universe

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



40, 67.434, 353.935



52, 82.066, 354.550



67, 70.057, 96.003



36, 5.170, 339.884



34, 60.228, 353.506



3, 12.898, 345.733

Previews

White Background



This preview shows how the CIE LCh color 44, 46.830, 273.925 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 44, 46.830, 273.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

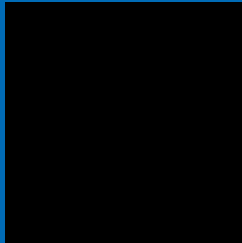
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 46.830, 273.925

Background



This preview shows how black text looks on a background with the CIELCh color 44, 46.830, 273.925.



This preview shows how white text looks on a background with the CIELCh color 44, 46.830, 273.925.

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
44, 26.936, 207.010

Trichromacy



Original Color
44, 46.830, 273.925

Protanomaly
44, 45.905, 279.618

Deuteranomaly
44, 47.003, 276.128

Tritanomaly
44, 29.020, 239.444

Monochromacy



Original Color
44, 46.830, 273.925

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 20.225, 254.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 46.830, 273.925 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(0, 107, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 182)  
}
```

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(0, 107, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 46.830, 273.925 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(0, 107, 182) }
```

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

```
.border{ border-color:rgb(0, 107, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 46.830, 273.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 182) }
```

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

```
.background{ background-color: rgb(0, 107,  
182) }
```

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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