

Converting Colors

CIELCh(46, 43.823, 269.587)

Have a look what the booklet for
CIELCh(46, 43.823, 269.587)
contains.

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Color

CIELCh(46, 43.760, 269.558)

Conversions

Conversions Part 1

Format	Color
Hex	0671B6
RGB	6, 113, 182
RGB Percent	2%, 44%, 71%
CMY	0.9774, 0.5562, 0.2856
CMYK	0.97, 0.38, 0.00, 0.29
HSL	203°, 94%, 37%
HSV	203°, 97%, 71%
XYZ	14.4575, 15.2687, 46.5396
YIQ	88.8730, -85.9210, -1.2250

Conversions

Conversions Part 2

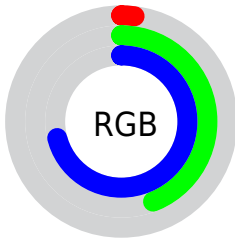
Format	Color
R _Y B	6, 73, 182
Decimal	422326
CIE Lab	46.00, -0.34, -43.76
CIE LCh	46, 43.760, 269.558
Yxy	15.2687, 0.1896, 0.2002
Android (android.graphics.Color)	4278612406 (0xFF0671B6)
YUV	88.8730, 45.9116, -72.6796
Hunter-Lab	39.0751, -2.3380, -43.2635

Details

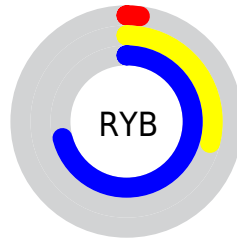
The CIELCh color **46, 43.760, 269.558** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **46, 67.929, 53.074**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 43.724, 269.812**, and **28, 41.331, 281.387** is the 20% darker color. If you saturate the color by 10%, you get **45, 44.938, 271.063**, and if you desaturate by 10%, it is **48, 40.170, 264.675**.

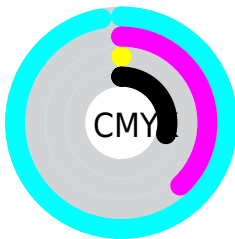
Distribution



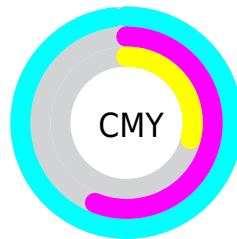
- Red (2%)
- Green (44%)
- Blue (71%)



- Red (2%)
- Yellow (29%)
- Blue (71%)



- Cyan (97%)
- Magenta (38%)
- Yellow (0%)
- Black (29%)





- Cyan (98%)
- Magenta (56%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 43.760, 269.558 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, 43.760, 269.558 by changing the saturation by 10% instead.


 46, 43.760,
269.558


 46, 43.760,
269.558


 100, 43.760,
269.558


 36, 43.760,
269.558

 66, 43.760,
269.558


 26, 43.760,
269.558

 76, 43.760,
269.558

 16, 43.760,
269.558

 86, 43.760,
269.558

 6, 43.760, 269.558

 96, 43.760,
269.558

 0, 43.760, 269.558

 46, 43.760,

 46, 43.760,

269.558

■ 45, 44.938,
271.063

269.558

■ 48, 40.170,
264.675

■ 51, 36.528,
260.231

■ 54, 32.697,
256.365

■ 56, 28.592,
253.095

■ 59, 24.178,
250.377

■ 62, 19.459,
248.142

■ 65, 14.462,
246.315

■ 69, 9.228, 244.828

Harmonies

Complementary

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



46, 43.760, 269.558



46, 67.929, 53.074

Rectangle

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



46, 43.760, 269.558



46, 43.760, 319.558



46, 43.760, 89.558



46, 43.760, 139.558

Sweetspot

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



46, 43.759, 269.559



82, 19.271, 246.765



65, 75.698, 144.656



42, 13.217, 247.539



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, 43.759, 269.559



58, 55.484, 271.991



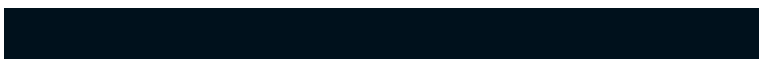
24, 95.706, 304.110



37, 3.161, 243.916



39, 39.613, 270.385



4, 9.252, 256.854

Inverse Universe

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



40, 67.928, 351.249



52, 82.816, 352.676



66, 68.841, 95.013



36, 5.248, 338.878



34, 60.798, 351.712



3, 13.093, 344.509

Previews

White Background



This preview shows how the CIELCh color 46, 43.760, 269.558 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, 43.760, 269.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

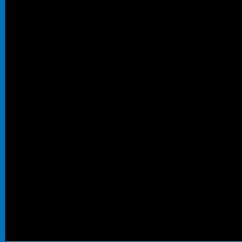
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 43.760, 269.558

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.760, 269.558.



This preview shows how white text looks on a background with the CIELCh color 46, 43.760, 269.558.

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, 43.745, 269.609

Protanomaly
46, 42.290, 276.887

Deuteranomaly
46, 44.494, 274.574

Tritanomaly
46, 29.194, 235.524

Monochromacy



Original Color
46, 43.745, 269.609

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 19.309, 251.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.760, 269.558 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(6, 113, 182)` looks like.

```
.text, #text, p{  
    color:rgb(6, 113, 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(6, 113, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 113, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.760, 269.558 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(6, 113, 182) }
```

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

```
.border{ border-color:rgb(6, 113, 182) }
```

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

Here you see how a box with a 4 pixel rgb(6, 113, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 113, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 113, 182);  
box-shadow:4px 4px 4px 4px rgb(6, 113,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.760, 269.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 113, 182) }
```

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

```
.background{ background-color: rgb(6, 113,  
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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