

Converting Colors

CIELCh(46, 32.637, 249.036)

Have a look what the booklet for
CIELCh(46, 32.637, 249.036)
contains.

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Color

CIELCh(46, 32.502, 248.670)

Conversions

Conversions Part 1

Format	Color
Hex	02759F
RGB	2, 117, 159
RGB Percent	1%, 46%, 62%
CMY	0.9906, 0.5408, 0.3760
CMYK	0.98, 0.26, 0.00, 0.38
HSL	196°, 97%, 32%
HSV	196°, 98%, 62%
XYZ	12.6704, 15.2687, 35.1292
YIQ	87.4030, -82.0220, -11.3180

Conversions

Conversions Part 2

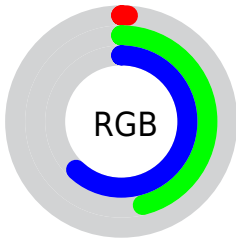
Format	Color
R_{YB}	2, 68, 159
Decimal	161183
CIE _{Lab}	46.00, -11.82, -30.28
CIE _{LCh}	46, 32.502, 248.670
Yxy	15.2687, 0.2009, 0.2421
Android (android.graphics.Color)	4278351263 (0xFF02759F)
YUV	87.4030, 35.2973, -74.8984
Hunter-Lab	39.0751, -10.5018, -25.9501

Details

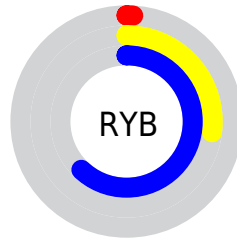
The CIELCh color **46, 32.502, 248.670** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **36, 66.242, 46.247**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 32.579, 248.712**, and **28, 27.570, 262.831** is the 20% darker color. If you saturate the color by 10%, you get **46, 32.738, 249.322**, and if you desaturate by 10%, it is **47, 30.991, 244.302**.

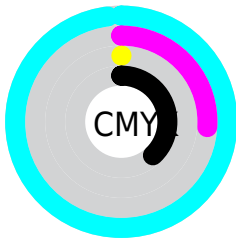
Distribution



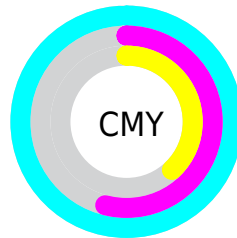
- Red (1%)
- Green (46%)
- Blue (62%)



- Red (1%)
- Yellow (27%)
- Blue (62%)



- Cyan (98%)
- Magenta (26%)
- Yellow (0%)
- Black (38%)





- Cyan (99%)
- Magenta (54%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 32.502, 248.670 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, 32.502, 248.670 by changing the saturation by 10% instead.


 46, 32.502,
248.670


 46, 32.502,
248.670


 100, 32.502,
248.670


 36, 32.502,
248.670

 66, 32.502,
248.670


 26, 32.502,
248.670

 76, 32.502,
248.670

 16, 32.502,
248.670

 86, 32.502,
248.670

 6, 32.502, 248.670

 96, 32.502,
248.670

 0, 32.502, 248.670

 46, 32.502,

 46, 32.502,

248.670

248.670

■ 46, 32.738,
249.322

■ 47, 30.991,
244.302

■ 49, 29.203,
240.479

■ 51, 26.977,
237.318

■ 53, 24.260,
234.762

■ 55, 21.050,
232.726

■ 57, 17.379,
231.124

■ 59, 13.302,
229.875

■ 61, 8.880, 228.916

Harmonies

Complementary

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



46, 32.502, 248.670



36, 66.242, 46.247

Rectangle

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



46, 32.502, 248.670



46, 32.502, 298.670



46, 32.502, 68.670



46, 32.502, 118.670

Sweetspot

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



46, 32.501, 248.671



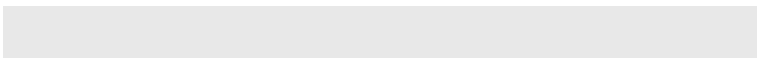
74, 17.214, 230.110



57, 75.173, 140.648



38, 11.684, 230.593



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 32.501, 248.671



59, 39.996, 250.330



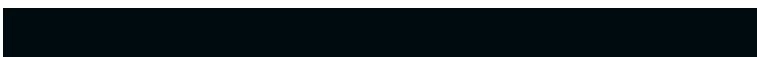
24, 77.147, 300.548



32, 2.762, 228.261



41, 30.154, 248.830



3, 3.666, 231.995

Inverse Universe

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



35, 66.241, 342.160



46, 80.315, 342.735



53, 58.943, 85.401



31, 5.061, 333.591



31, 61.445, 342.218



1, 6.410, 334.422

Previews

White Background



This preview shows how the CIELCh color 46, 32.502, 248.670 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, 32.502, 248.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

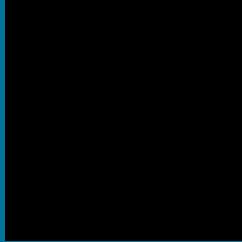
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 32.502, 248.670

Background



This preview shows how black text looks on a background with the CIELCh color 46, 32.502, 248.670.

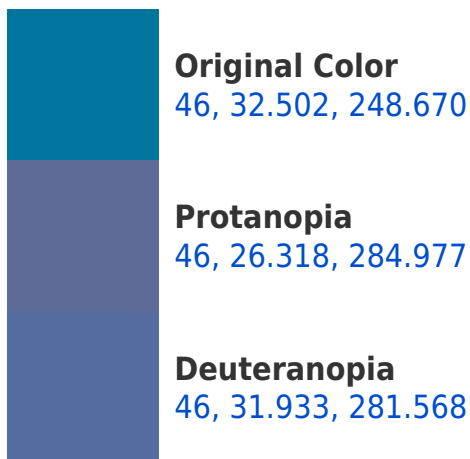



This preview shows how white text looks on a background with the CIELCh color 46, 32.502, 248.670.

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, 27.899, 207.831

Trichromacy



Original Color
46, 32.502, 248.670

Protanomaly
45, 28.592, 263.280

Deuteranomaly
45, 31.995, 265.619

Tritanomaly
46, 28.021, 223.796

Monochromacy



Original Color
46, 32.502, 248.670

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 16.516, 231.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 32.502, 248.670 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(2, 117, 159)` looks like.

```
.text, #text, p{  
    color:rgb(2, 117, 159)  
}
```

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(2, 117, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 117, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 32.502, 248.670 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(2, 117, 159) }
```

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

```
.border{ border-color:rgb(2, 117, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 117, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 117, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 117, 159);  
box-shadow:4px 4px 4px 4px rgb(2, 117,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 32.502, 248.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 117, 159) }
```

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

```
.background{ background-color: rgb(2, 117,  
159) }
```

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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