

Converting Colors

CIELCh(46, 33.066, 252.641)

Have a look what the booklet for
CIELCh(46, 33.066, 252.641)
contains.

CIELCh(46, 33.062, 252.779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 33.062, 252.779)

Conversions

Conversions Part 1

Format	Color
Hex	1174A1
RGB	17, 116, 161
RGB Percent	7%, 45%, 63%
CMY	0.9336, 0.5438, 0.3673
CMYK	0.90, 0.28, 0.00, 0.37
HSL	199°, 81%, 35%
HSV	199°, 90%, 63%
XYZ	12.9755, 15.2687, 36.1408
YIQ	91.5290, -73.4490, -6.9930

Conversions

Conversions Part 2

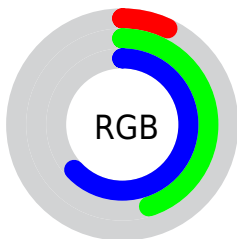
Format	Color
R_{YB}	17, 76, 161
Decimal	1143969
CIE _{Lab}	46.00, -9.79, -31.58
CIE _{LCh}	46, 33.062, 252.779
Yxy	15.2687, 0.2015, 0.2371
Android (android.graphics.Color)	4279334049 (0xFF1174A1)
YUV	91.5290, 34.2492, -65.3619
Hunter-Lab	39.0751, -9.1080, -27.4850

Details

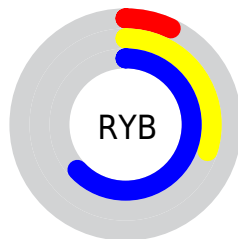
The CIELCh color **46, 33.062, 252.779** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **40, 59.815, 49.087**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 33.045, 252.587**, and **27, 29.037, 266.215** is the 20% darker color. If you saturate the color by 10%, you get **44, 35.151, 257.479**, and if you desaturate by 10%, it is **48, 30.825, 248.510**.

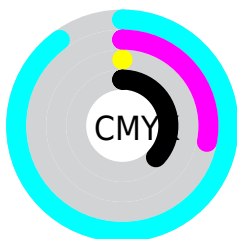
Distribution



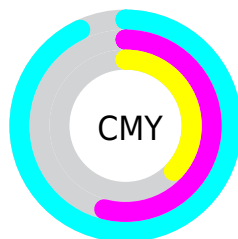
- Red (7%)
- Green (45%)
- Blue (63%)



- Red (7%)
- Yellow (30%)
- Blue (63%)



- Cyan (90%)
- Magenta (28%)
- Yellow (0%)
- Black (37%)





- Cyan (93%)
- Magenta (54%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 33.062, 252.779 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, 33.062, 252.779 by changing the saturation by 10% instead.


 46, 33.062,
252.779


 46, 33.062,
252.779


 100, 33.062,
252.779


 36, 33.062,
252.779

 66, 33.062,
252.779


 26, 33.062,
252.779

 76, 33.062,
252.779

 16, 33.062,
252.779

 86, 33.062,
252.779

 6, 33.062, 252.779

 96, 33.062,
252.779

 0, 33.062, 252.779

 46, 33.062,

 46, 33.062,

252.779

■ 44, 35.151,
257.479

■ 44, 35.258,
257.703

252.779

■ 48, 30.825,
248.510

■ 50, 28.257,
244.897

■ 52, 25.284,
241.916

■ 54, 21.887,
239.498

■ 56, 18.084,
237.557

■ 59, 13.916,
236.011

■ 61, 9.436, 234.789

■ 64, 4.699, 233.851

Harmonies

Complementary

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



46, 33.062, 252.779



40, 59.815, 49.087

Rectangle

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



46, 33.062, 252.779



46, 33.062, 302.779



46, 33.062, 72.779



46, 33.062, 122.779

Sweetspot

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



46, 33.061, 252.780



75, 15.813, 235.742



58, 70.103, 143.294



39, 10.542, 236.173



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, 33.061, 252.780



57, 43.160, 258.744



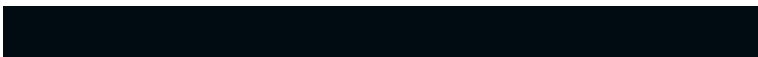
26, 73.827, 299.442



33, 2.823, 233.833



40, 32.518, 257.210



3, 4.496, 240.125

Inverse Universe

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



37, 64.102, 343.597



46, 78.769, 345.956



56, 58.331, 89.542



32, 5.036, 335.357



32, 60.496, 345.322



1, 7.465, 337.214

Previews

White Background



This preview shows how the CIE LCh color 46, 33.062, 252.779 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, 33.062, 252.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

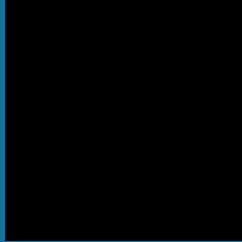
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 33.062, 252.779

Background



This preview shows how black text looks on a background with the CIELCh color 46, 33.062, 252.779.

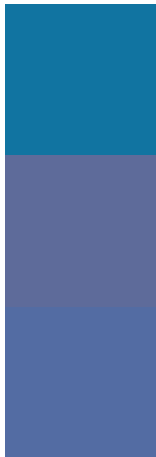


This preview shows how white text looks on a background with the CIELCh color 46, 33.062, 252.779.

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



Original Color


46, 33.024, 252.873

Protanopia

46, 28.095, 285.216

Deuteranopia

46, 33.163, 281.339



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 33.024, 252.873

Protanomaly
45, 30.050, 268.731

Deuteranomaly
46, 32.675, 268.251

Tritanomaly
46, 27.752, 225.575

Monochromacy



Original Color
46, 33.024, 252.873

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 15.432, 237.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 33.062, 252.779 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(17, 116, 161)` looks like.

```
.text, #text, p{  
    color:rgb(17, 116, 161)  
}
```

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(17, 116, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 116, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 33.062, 252.779 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(17, 116, 161) }
```

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

```
.border{ border-color:rgb(17, 116, 161) }
```

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

Here you see how a box with a 4 pixel rgb(17, 116, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 116, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 116, 161);  
box-shadow:4px 4px 4px 4px rgb(17, 116,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 33.062, 252.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 116, 161) }
```

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

```
.background{ background-color: rgb(17, 116,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor