

Converting Colors

CIELCh(52, 37.012, 251.844)

Have a look what the booklet for
CIELCh(52, 37.012, 251.844)
contains.

CIELCh(52, 37.017, 251.772)	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(52, 37.017, 251.772)

Conversions

Conversions Part 1

Format	Color
Hex	0085B8
RGB	0, 133, 184
RGB Percent	0%, 52%, 72%
CMY	1.0000, 0.4795, 0.2796
CMYK	1.00, 0.28, 0.00, 0.28
HSL	197°, 100%, 36%
HSV	197°, 100%, 72%
XYZ	16.9659, 20.1443, 48.1762
YIQ	99.0470, -95.6390, -12.3350

Conversions

Conversions Part 2

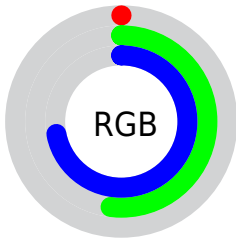
Format	Color
RYB	0, 77, 184
Decimal	34232
CIELab	52.00, -11.58, -35.16
CIELCh	52, 37.017, 251.772
Yxy	20.1443, 0.1989, 0.2362
Android (android.graphics.Color)	4278224312 (0xFF0085B8)
YUV	99.0470, 41.8818, -86.8642
Hunter-Lab	44.8824, -11.0698, -32.2233

Details

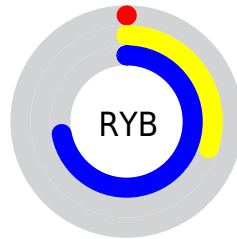
The CIELCh color **52, 37.017, 251.772** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **42, 74.771, 46.406**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 36.937, 251.605**, and **34, 32.508, 264.630** is the 20% darker color. If you saturate the color by 10%, you get **52, 37.011, 251.784**, and if you desaturate by 10%, it is **54, 35.234, 247.157**.

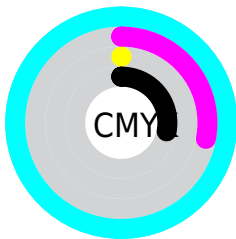
Distribution



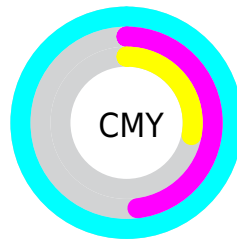
- Red (0%)
- Green (52%)
- Blue (72%)



- Red (0%)
- Yellow (30%)
- Blue (72%)



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





- Cyan (100%)
- Magenta (48%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 37.017, 251.772 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 52, 37.017, 251.772 by changing the saturation by 10% instead.


 52, 37.017,
251.772


 52, 37.017,
251.772


 100, 37.017,
251.772


 42, 37.017,
251.772


 72, 37.017,
251.772


 32, 37.017,
251.772


 82, 37.017,
251.772

 22, 37.017,
251.772

 92, 37.017,
251.772

 12, 37.017,
251.772

 2, 37.017, 251.772

 0, 37.017, 251.772

■ 52, 37.017,
251.772

■ 52, 37.017,
251.772

■ 52, 37.011,
251.784

■ 54, 35.234,
247.157

■ 56, 33.219,
243.030

■ 58, 30.756,
239.587

■ 60, 27.764,
236.785

■ 62, 24.226,
234.544

■ 64, 20.171,
232.774

■ 67, 15.653,
231.388

■ 69, 10.740,

230.316

■ 72, 5.501, 229.516

Harmonies

Complementary

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



52, 37.017, 251.772



42, 74.771, 46.406

Rectangle

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



52, 37.017, 251.772



52, 37.017, 301.772



52, 37.017, 71.772



52, 37.017, 121.772

Sweetspot

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



52, 37.011, 251.784



85, 19.400, 231.450



65, 84.749, 140.190



44, 13.048, 231.995



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



52, 37.011, 251.784



67, 45.481, 252.699



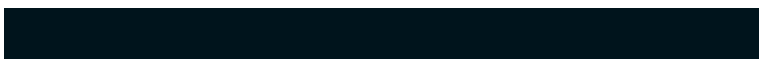
27, 88.004, 301.250



37, 3.120, 229.473



44, 32.574, 251.090



5, 8.597, 241.749

Inverse Universe

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



41, 73.225, 343.251



53, 89.116, 343.584



61, 65.901, 84.933



36, 5.690, 333.977



34, 64.912, 343.003



3, 14.337, 338.073

Previews

White Background



This preview shows how the CIELCh color 52, 37.017, 251.772 looks on a white 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

Black Background



This preview shows how the CIE LCh color 52, 37.017, 251.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

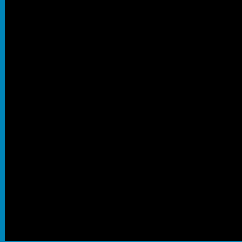
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 37.017, 251.772

Background



This preview shows how black text looks on a background with the CIELCh color 52, 37.017, 251.772.

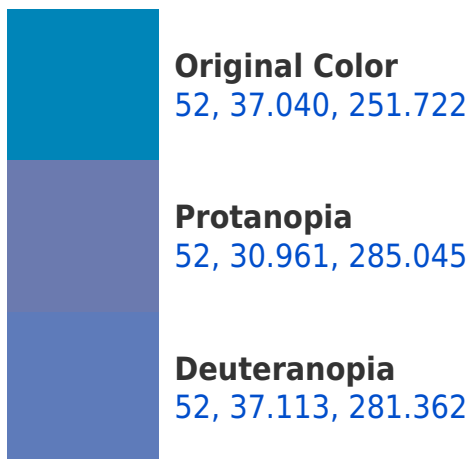


This preview shows how white text looks on a background with the CIELCh color 52, 37.017, 251.772.

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
52, 30.471, 208.924

Trichromacy



Original Color
52, 37.040, 251.722

Protanomaly
51, 33.288, 265.213

Deuteranomaly
51, 36.803, 266.254

Tritanomaly
52, 30.871, 226.789

Monochromacy



Original Color
52, 37.040, 251.722

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.847, 235.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 37.017, 251.772 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, 133, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 184)  
}
```

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, 133, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 37.017, 251.772 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, 133, 184) }
```

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

```
.border{ border-color:rgb(0, 133, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 37.017, 251.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 184) }
```

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

```
.background{ background-color: rgb(0, 133,  
184) }
```

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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