

Converting Colors

CIELCh(52, 36.784, 250.646)

Have a look what the booklet for
CIELCh(52, 36.784, 250.646)
contains.

CIELCh(52, 36.686, 250.921)	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, 36.686, 250.921)

Conversions

Conversions Part 1

Format	Color
Hex	0085B7
RGB	0, 133, 183
RGB Percent	0%, 52%, 72%
CMY	1.0000, 0.4790, 0.2830
CMYK	1.00, 0.27, 0.00, 0.28
HSL	196°, 100%, 36%
HSV	196°, 100%, 72%
XYZ	16.8914, 20.1443, 47.7142
YIQ	98.9330, -95.3180, -12.6460

Conversions

Conversions Part 2

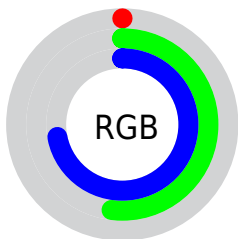
Format	Color
RYB	0, 77, 183
Decimal	34231
CIELab	52.00, -11.99, -34.67
CIELCh	52, 36.686, 250.921
Yxy	20.1443, 0.1993, 0.2377
Android (android.graphics.Color)	4278224311 (0xFF0085B7)
YUV	98.9330, 41.4450, -86.7642
Hunter-Lab	44.8824, -11.3662, -31.6131

Details

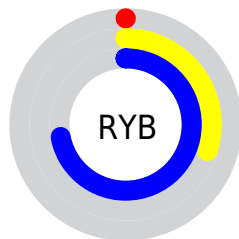
The CIELCh color **52, 36.686, 250.921** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **42, 74.662, 46.236**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 36.582, 250.908**, and **34, 32.027, 263.801** is the 20% darker color. If you saturate the color by 10%, you get **52, 36.671, 250.951**, and if you desaturate by 10%, it is **54, 34.957, 246.365**.

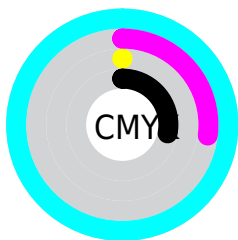
Distribution



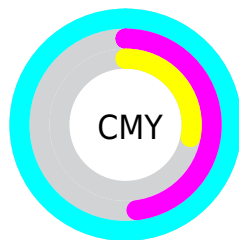
- Red (0%)
- Green (52%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (28%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 36.686, 250.921 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, 36.686, 250.921 by changing the saturation by 10% instead.


 52, 36.686,
250.921


 52, 36.686,
250.921


 100, 36.686,
250.921


 42, 36.686,
250.921


 72, 36.686,
250.921

 32, 36.686,
250.921

 82, 36.686,
250.921

 22, 36.686,
250.921

 92, 36.686,
250.921

 12, 36.686,
250.921

 2, 36.686, 250.921

 0, 36.686, 250.921

■ 52, 36.686,
250.921

■ 52, 36.686,
250.921

■ 52, 36.671,
250.951

■ 54, 34.957,
246.365

■ 55, 32.998,
242.282

■ 57, 30.579,
238.882

■ 59, 27.624,
236.120

■ 62, 24.118,
233.915

■ 64, 20.090,
232.175

■ 66, 15.596,
230.817

■ 69, 10.704,

229.769

■ 72, 5.484, 228.990

Harmonies

Complementary

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



52, 36.686, 250.921



42, 74.662, 46.236

Rectangle

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



52, 36.686, 250.921



52, 36.686, 300.921



52, 36.686, 70.921



52, 36.686, 120.921

Sweetspot

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



52, 36.671, 250.951



84, 19.236, 230.877



65, 84.444, 140.197



44, 13.047, 231.413



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, 36.671, 250.951



66, 44.839, 251.846



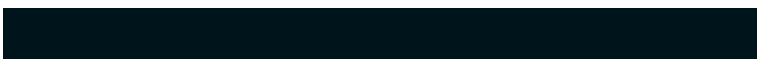
27, 87.673, 301.241



37, 3.122, 228.949



45, 32.398, 250.280



5, 8.584, 241.123

Inverse Universe

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



41, 73.179, 342.954



53, 88.655, 343.273



61, 65.676, 84.940



36, 5.707, 333.814



34, 65.090, 342.717



3, 14.389, 337.846

Previews

White Background



This preview shows how the CIE LCh color 52, 36.686, 250.921 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, 36.686, 250.921 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, 36.686, 250.921

Background



This preview shows how black text looks on a background with the CIELCh color 52, 36.686, 250.921.



This preview shows how white text looks on a background with the CIELCh color 52, 36.686, 250.921.

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



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 36.686, 250.921 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 36.686, 250.921 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, 183) }
```

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

```
.border{ border-color:rgb(0, 133, 183) }
```

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, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 36.686, 250.921 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, 183) }
```

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

```
.background{ background-color: rgb(0, 133,  
183) }
```

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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