

Converting Colors

CIELCh(52, 32.263, 236.566)

Have a look what the booklet for
CIELCh(52, 32.263, 236.566)
contains.

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Color

CIELCh(52, 32.151, 235.732)

Conversions

Conversions Part 1

Format	Color
Hex	0387A9
RGB	3, 135, 169
RGB Percent	1%, 53%, 66%
CMY	0.9876, 0.4714, 0.3381
CMYK	0.98, 0.20, 0.00, 0.34
HSL	192°, 96%, 34%
HSV	192°, 98%, 66%
XYZ	15.8135, 20.1443, 40.4809
YIQ	99.4080, -89.5860, -17.4100

Conversions

Conversions Part 2

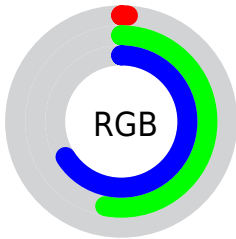
Format	Color
RYB	3, 77, 169
Decimal	231337
CIELab	52.00, -18.10, -26.57
CIELCh	52, 32.151, 235.732
Yxy	20.1443, 0.2069, 0.2635
Android (android.graphics.Color)	4278421417 (0xFF0387A9)
YUV	99.4080, 34.3089, -84.5498
Hunter-Lab	44.8824, -15.6530, -22.0578

Details

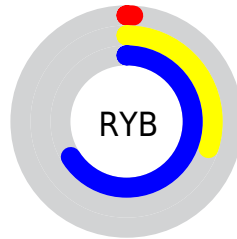
The CIELCh color **52, 32.151, 235.732** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 71.228, 43.605**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 32.189, 235.724**, and **34, 26.121, 248.861** is the 20% darker color. If you saturate the color by 10%, you get **52, 32.318, 236.408**, and if you desaturate by 10%, it is **53, 31.232, 232.154**.

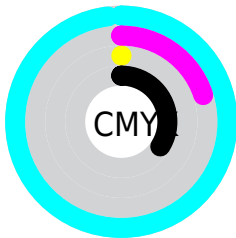
Distribution



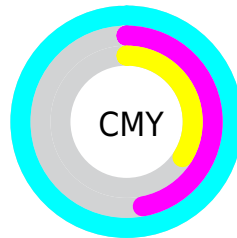
- Red (1%)
- Green (53%)
- Blue (66%)



- Red (1%)
- Yellow (30%)
- Blue (66%)



- Cyan (98%)
- Magenta (20%)
- Yellow (0%)
- Black (34%)





- Cyan (99%)
- Magenta (47%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 32.151, 235.732 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, 32.151, 235.732 by changing the saturation by 10% instead.


 52, 32.151,
235.732


 52, 32.151,
235.732


 100, 32.151,
235.732


 42, 32.151,
235.732


 72, 32.151,
235.732


 32, 32.151,
235.732


 82, 32.151,
235.732

 22, 32.151,
235.732

 92, 32.151,
235.732

 12, 32.151,
235.732

 2, 32.151, 235.732

 0, 32.151, 235.732

■ 52, 32.151,
235.732

■ 52, 32.151,
235.732

■ 52, 32.318,
236.408

■ 53, 31.232,
232.154

■ 55, 29.861,
229.139

■ 56, 27.893,
226.715

■ 58, 25.292,
224.808

■ 59, 22.077,
223.335

■ 61, 18.296,
222.218

■ 63, 14.021,
221.392

■ 65, 9.329, 220.802

Harmonies

Complementary

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



52, 32.151, 235.732



37, 71.228, 43.605

Rectangle

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



52, 32.151, 235.732



52, 32.151, 285.732



52, 32.151, 55.732



52, 32.151, 105.732

Sweetspot

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



52, 32.150, 235.732



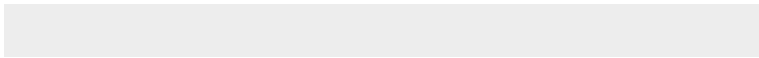
80, 17.798, 221.491



60, 81.722, 138.921



41, 12.011, 221.812



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



52, 32.150, 235.732



66, 39.367, 237.205



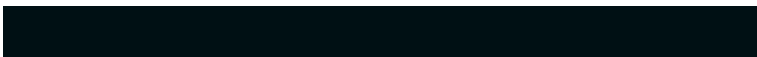
28, 73.558, 297.563



35, 2.974, 220.463



46, 29.296, 235.932



4, 5.421, 227.555

Inverse Universe

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



38, 72.242, 338.194



50, 87.818, 338.618



54, 60.314, 79.343



33, 5.575, 331.251



33, 65.848, 338.259



2, 9.668, 332.999

Previews

White Background



This preview shows how the CIE LCh color 52, 32.151, 235.732 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 CIELCh color 52, 32.151, 235.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

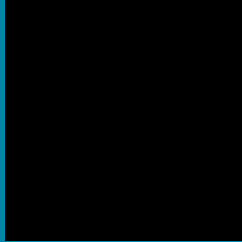
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 32.151, 235.732

Background



This preview shows how black text looks on a background with the CIELCh color 52, 32.151, 235.732.

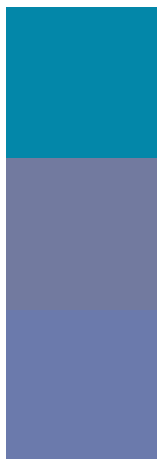


This preview shows how white text looks on a background with the CIELCh color 52, 32.151, 235.732.

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

52, 32.184, 235.683

Protanopia

52, 21.606, 285.492

Deuteranopia

52, 29.265, 284.217



Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 32.184, 235.683

Protanomaly
51, 25.596, 254.134

Deuteranomaly
51, 29.603, 259.302

Tritanomaly
52, 30.379, 219.697

Monochromacy



Original Color
52, 32.184, 235.683

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.365, 222.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 32.151, 235.732 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(3, 135, 169)` looks like.

```
.text, #text, p{  
    color:rgb(3, 135, 169)  
}
```

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(3, 135, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 135, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 32.151, 235.732 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(3, 135, 169) }
```

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

```
.border{ border-color:rgb(3, 135, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 135, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 135, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 135, 169);  
box-shadow:4px 4px 4px 4px rgb(3, 135,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 32.151, 235.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 135, 169) }
```

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

```
.background{ background-color: rgb(3, 135,  
169) }
```

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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