

Converting Colors

CIELCh(52, 30.880, 233.448)

Have a look what the booklet for
CIELCh(52, 30.880, 233.448)
contains.

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Color

CIELCh(52, 30.934, 233.371)

Conversions

Conversions Part 1

Format	Color
Hex	1287A6
RGB	18, 135, 166
RGB Percent	7%, 53%, 65%
CMY	0.9277, 0.4714, 0.3499
CMYK	0.89, 0.19, 0.00, 0.35
HSL	193°, 80%, 36%
HSV	193°, 89%, 65%
XYZ	15.7527, 20.1443, 39.0251
YIQ	103.5510, -79.6830, -15.1630

Conversions

Conversions Part 2

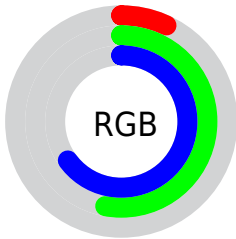
Format	Color
R_{YB}	18, 83, 166
Decimal	1214374
CIE _{Lab}	52.00, -18.46, -24.83
CIE _{LCh}	52, 30.934, 233.371
Yxy	20.1443, 0.2103, 0.2689
Android (android.graphics.Color)	4279404454 (0xFF1287A6)
YUV	103.5510, 30.7874, -75.0282
Hunter-Lab	44.8824, -15.8950, -20.1347

Details

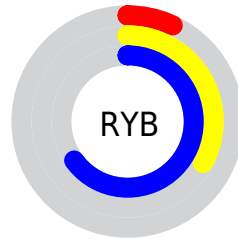
The CIELCh color **52, 30.934, 233.371** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 63.892, 43.465**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.043, 233.527**, and **33, 25.088, 244.937** is the 20% darker color. If you saturate the color by 10%, you get **51, 31.874, 237.037**, and if you desaturate by 10%, it is **53, 29.585, 230.243**.

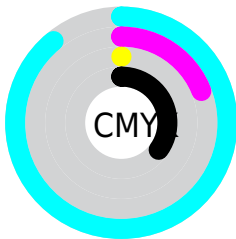
Distribution



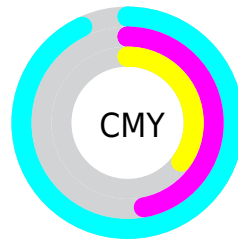
- Red (7%)
- Green (53%)
- Blue (65%)



- Red (7%)
- Yellow (33%)
- Blue (65%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (35%)





- Cyan (93%)
- Magenta (47%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 30.934, 233.371 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, 30.934, 233.371 by changing the saturation by 10% instead.


 52, 30.934,
233.371


 52, 30.934,
233.371


 100, 30.934,
233.371


 42, 30.934,
233.371


 72, 30.934,
233.371

 32, 30.934,
233.371

 82, 30.934,
233.371

 22, 30.934,
233.371

 92, 30.934,
233.371

 12, 30.934,
233.371

 2, 30.934, 233.371

 0, 30.934, 233.371

■ 52, 30.934,
233.371

■ 52, 30.934,
233.371

■ 51, 31.874,
237.037

■ 53, 29.585,
230.243

■ 51, 31.980,
237.445

■ 55, 27.662,
227.717

■ 56, 25.127,
225.723

■ 58, 21.991,
224.176

■ 60, 18.300,
222.997

■ 62, 14.122,
222.117

■ 64, 9.533, 221.482

■ 66, 4.606, 221.070



Harmonies

Complementary

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



52, 30.934, 233.371



38, 63.892, 43.465

Rectangle

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



52, 30.934, 233.371



52, 30.934, 283.371



52, 30.934, 53.371



52, 30.934, 103.371

Sweetspot

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



52, 30.933, 233.371



79, 16.498, 222.016



59, 76.385, 140.378



41, 11.078, 222.263



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, 30.933, 233.371



65, 39.144, 238.291



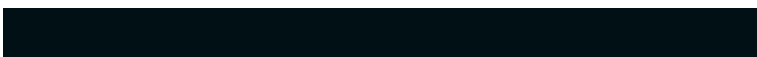
30, 65.099, 294.444



35, 2.967, 221.081



45, 29.376, 237.022



4, 5.413, 228.295

Inverse Universe

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



38, 69.831, 337.488



49, 86.730, 338.929



54, 56.922, 81.273



33, 5.555, 331.434



33, 65.605, 338.566



2, 9.626, 333.233

Previews

White Background



This preview shows how the CIE LCh color 52, 30.934, 233.371 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, 30.934, 233.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

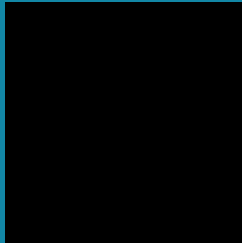
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 30.934, 233.371

Background



This preview shows how black text looks on a background with the CIELCh color 52, 30.934, 233.371.

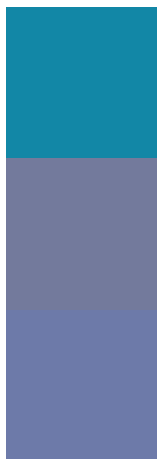


This preview shows how white text looks on a background with the CIELCh color 52, 30.934, 233.371.

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, 30.986, 233.297

Protanopia

52, 19.853, 285.540

Deuteranopia

52, 27.487, 284.599



Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 30.986, 233.297

Protanomaly
51, 23.517, 253.927

Deuteranomaly
51, 27.496, 259.603

Tritanomaly
52, 30.015, 217.542

Monochromacy



Original Color
52, 30.986, 233.297

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 15.688, 222.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 30.934, 233.371 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(18, 135, 166)` looks like.

```
.text, #text, p{  
    color:rgb(18, 135, 166)  
}
```

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(18, 135, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 135, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 30.934, 233.371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

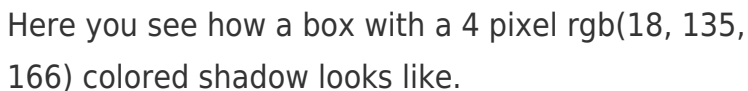
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(18, 135, 166) }
```

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

```
.border{ border-color:rgb(18, 135, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(18, 135, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 135, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 135, 166);  
box-shadow:4px 4px 4px 4px rgb(18, 135,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 30.934, 233.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 135, 166) }
```

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

```
.background{ background-color: rgb(18, 135,  
166) }
```

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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