

Converting Colors

CIELCh(52, 31.431, 234.831)

Have a look what the booklet for
CIELCh(52, 31.431, 234.831)
contains.

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Color

CIELCh(52, 31.332, 234.180)

Conversions

Conversions Part 1

Format	Color
Hex	0E87A7
RGB	14, 135, 167
RGB Percent	5%, 53%, 65%
CMY	0.9438, 0.4714, 0.3460
CMYK	0.91, 0.19, 0.00, 0.35
HSL	193°, 84%, 36%
HSV	193°, 91%, 65%
XYZ	15.7732, 20.1443, 39.5057
YIQ	102.4690, -82.3880, -15.7000

Conversions

Conversions Part 2

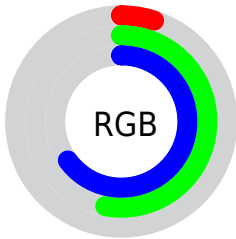
Format	Color
R_{YB}	14, 82, 167
Decimal	952231
CIE _{Lab}	52.00, -18.34, -25.41
CIE _{LCh}	52, 31.332, 234.180
Y _{xy}	20.1443, 0.2091, 0.2671
Android (android.graphics.Color)	4279142311 (0xFF0E87A7)
YUV	102.4690, 31.8138, -77.5873
Hunter-Lab	44.8824, -15.8132, -20.7696

Details

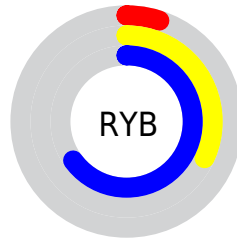
The CIELCh color **52, 31.332, 234.180** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 66.023, 43.543**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 31.266, 234.495**, and **33, 25.421, 246.279** is the 20% darker color. If you saturate the color by 10%, you get **51, 32.115, 237.362**, and if you desaturate by 10%, it is **53, 30.113, 230.895**.

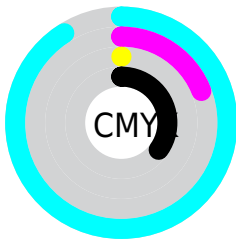
Distribution



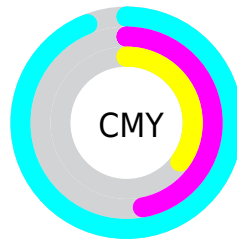
- Red (5%)
- Green (53%)
- Blue (65%)



- Red (5%)
- Yellow (32%)
- Blue (65%)



- Cyan (91%)
- Magenta (19%)
- Yellow (0%)
- Black (35%)





- Cyan (94%)
- Magenta (47%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.332, 234.180 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, 31.332, 234.180 by changing the saturation by 10% instead.


 52, 31.332,
234.180


 52, 31.332,
234.180


 100, 31.332,
234.180


 42, 31.332,
234.180


 72, 31.332,
234.180

 32, 31.332,
234.180

 82, 31.332,
234.180

 22, 31.332,
234.180

 92, 31.332,
234.180

 12, 31.332,
234.180

 2, 31.332, 234.180

 0, 31.332, 234.180

■ 52, 31.332,
234.180

■ 52, 31.332,
234.180

■ 51, 32.115,
237.362

■ 53, 30.113,
230.895

■ 55, 28.338,
228.227

■ 56, 25.950,
226.109

■ 58, 22.950,
224.459

■ 60, 19.378,
223.197

■ 62, 15.297,
222.251

■ 64, 10.782,
221.560

■ 66, 5.909, 221.090

Harmonies

Complementary

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



52, 31.332, 234.180



38, 66.023, 43.543

Rectangle

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



52, 31.332, 234.180



52, 31.332, 284.180



52, 31.332, 54.180



52, 31.332, 104.180

Sweetspot

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



52, 31.331, 234.180



79, 16.501, 221.952



60, 78.004, 139.961



41, 11.080, 222.198



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, 31.331, 234.180



65, 39.132, 238.184



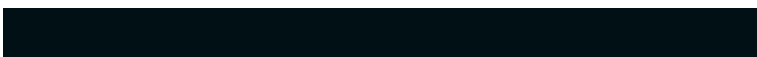
30, 67.463, 295.323



35, 2.968, 221.022



45, 29.368, 236.918



4, 5.414, 228.225

Inverse Universe

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



38, 70.622, 337.729



49, 86.761, 338.899



54, 58.011, 80.765



33, 5.557, 331.416



33, 65.628, 338.537



2, 9.630, 333.210

Previews

White Background



This preview shows how the CIELCh color 52, 31.332, 234.180 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, 31.332, 234.180 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, 31.332, 234.180

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.332, 234.180.

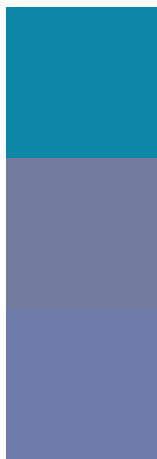


This preview shows how white text looks on a background with the CIELCh color 52, 31.332, 234.180.

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, 31.375, 234.119

Protanopia

52, 20.462, 284.883

Deuteranopia

52, 28.054, 284.881



Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 31.375, 234.119

Protanomaly
51, 24.220, 253.967

Deuteranomaly
51, 28.058, 260.012

Tritanomaly
52, 30.151, 218.660

Monochromacy



Original Color
52, 31.375, 234.119

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 16.374, 224.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.332, 234.180 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(14, 135, 167)` looks like.

```
.text, #text, p{  
    color:rgb(14, 135, 167)  
}
```

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(14, 135, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 135, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.332, 234.180 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(14, 135, 167) }
```

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

```
.border{ border-color:rgb(14, 135, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 135, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 135, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 135, 167);  
box-shadow:4px 4px 4px 4px rgb(14, 135,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.332, 234.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 135, 167) }
```

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

```
.background{ background-color: rgb(14, 135,  
167) }
```

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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