

Converting Colors

CIELCh(50, 32.869, 243.459)

Have a look what the booklet for
CIELCh(50, 32.869, 243.459)
contains.

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Color

CIELCh(50, 32.855, 243.688)

Conversions

Conversions Part 1

Format	Color
Hex	0780A8
RGB	7, 128, 168
RGB Percent	3%, 50%, 66%
CMY	0.9744, 0.4966, 0.3396
CMYK	0.96, 0.24, 0.00, 0.34
HSL	195°, 93%, 34%
HSV	195°, 96%, 66%
XYZ	14.9531, 18.4187, 40.0037
YIQ	96.3810, -84.9560, -13.2120

Conversions

Conversions Part 2

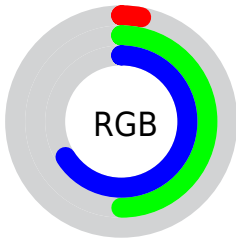
Format	Color
RYB	7, 76, 168
Decimal	491688
CIELab	50.00, -14.56, -29.45
CIELCh	50, 32.855, 243.688
Yxy	18.4187, 0.2038, 0.2510
Android (android.graphics.Color)	4278681768 (0xFF0780A8)
YUV	96.3810, 35.3082, -78.3871
Hunter-Lab	42.9170, -12.9118, -25.2235

Details

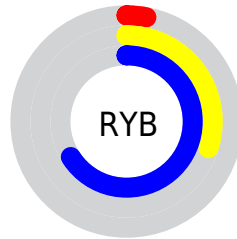
The CIELCh color **50, 32.855, 243.688** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 68.383, 45.181**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 32.714, 243.197**, and **31, 27.643, 257.257** is the 20% darker color. If you saturate the color by 10%, you get **49, 33.368, 245.321**, and if you desaturate by 10%, it is **51, 31.493, 239.571**.

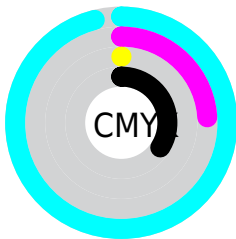
Distribution



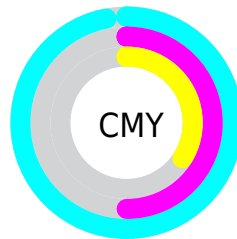
- Red (3%)
- Green (50%)
- Blue (66%)



- Red (3%)
- Yellow (30%)
- Blue (66%)



- Cyan (96%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)





- Cyan (97%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.855, 243.688 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 50, 32.855, 243.688 by changing the saturation by 10% instead.


 50, 32.855,
243.688


 50, 32.855,
243.688


 100, 32.855,
243.688


 40, 32.855,
243.688


 70, 32.855,
243.688

 30, 32.855,
243.688

 80, 32.855,
243.688

 20, 32.855,
243.688

 90, 32.855,
243.688

 10, 32.855,
243.688

 0, 32.855, 243.688

 50, 32.855,
243.688

 50, 32.855,
243.688

■ 49, 33.368,
245.321

■ 51, 31.493,
239.571

■ 53, 29.719,
236.103

■ 55, 27.421,
233.279

■ 57, 24.562,
231.025

■ 59, 21.157,
229.253

■ 61, 17.251,
227.878

■ 63, 12.908,
226.825

■ 65, 8.198, 226.037

■ 68, 3.191, 225.517

Harmonies

Complementary

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



50, 32.855, 243.688



39, 68.383, 45.181

Rectangle

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



50, 32.855, 243.688



50, 32.855, 293.688



50, 32.855, 63.688



50, 32.855, 113.688

Sweetspot

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



50, 32.854, 243.688



79, 17.570, 227.151



60, 79.176, 140.036



41, 11.870, 227.586



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 32.854, 243.688



63, 40.827, 246.248



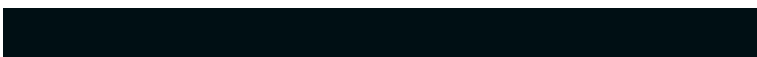
27, 75.383, 298.579



34, 2.925, 225.642



44, 30.252, 244.780



4, 5.382, 233.591

Inverse Universe

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



38, 69.810, 340.533



49, 85.176, 341.360



55, 60.214, 82.771



33, 5.411, 332.796



33, 63.907, 340.889



2, 9.331, 334.949

Previews

White Background



This preview shows how the CIE LCh color 50, 32.855, 243.688 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 32.855, 243.688 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 50, 32.855, 243.688

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.855, 243.688.

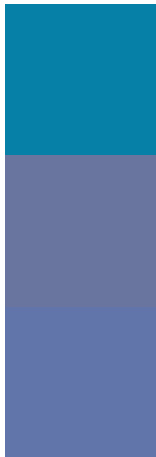


This preview shows how white text looks on a background with the CIELCh color 50, 32.855, 243.688.

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
50, 32.795, 243.800

Protanopia
50, 24.745, 284.695

Deuteranopia
50, 31.904, 283.410



Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 32.795, 243.800

Protanomaly
49, 27.592, 260.163

Deuteranomaly
49, 31.796, 264.406

Tritanomaly
50, 29.646, 221.761

Monochromacy



Original Color
50, 32.795, 243.800

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 16.976, 230.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.855, 243.688 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(7, 128, 168)` looks like.

```
.text, #text, p{  
    color:rgb(7, 128, 168)  
}
```

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(7, 128, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 128, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.855, 243.688 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(7, 128, 168) }
```

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

```
.border{ border-color:rgb(7, 128, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 128, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 128, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 128, 168);  
box-shadow:4px 4px 4px 4px rgb(7, 128,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.855, 243.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 128, 168) }
```

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

```
.background{ background-color: rgb(7, 128,  
168) }
```

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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