

Converting Colors

CIELCh(48, 51.246, 152.504)

Have a look what the booklet for
CIELCh(48, 51.246, 152.504)
contains.

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Color

CIELCh(48, 50.800, 152.502)

Conversions

Conversions Part 1

Format	Color
Hex	018348
RGB	1, 131, 72
RGB Percent	0%, 51%, 28%
CMY	0.9966, 0.4850, 0.7165
CMYK	0.99, 0.00, 0.45, 0.49
HSL	153°, 99%, 26%
HSV	153°, 99%, 51%
XYZ	9.3485, 16.7945, 8.9284
YIQ	85.4040, -58.5410, -45.9090

Conversions

Conversions Part 2

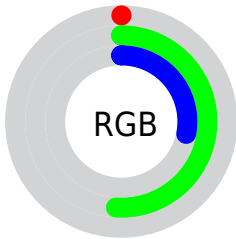
Format	Color
RYB	1, 85, 131
Decimal	99144
CIELab	48.00, -45.06, 23.46
CIELCh	48, 50.800, 152.502
Yxy	16.7945, 0.2666, 0.4789
Android (android.graphics.Color)	4278289224 (0xFF018348)
YUV	85.4040, -6.6082, -74.0223
Hunter-Lab	40.9810, -30.9978, 15.7694

Details

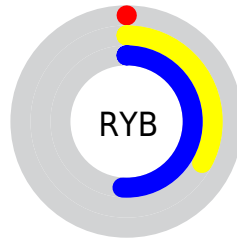
The CIELCh color **48, 50.800, 152.502** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **27, 51.472, 4.837**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 50.777, 152.319**, and **29, 42.496, 144.399** is the 20% darker color. If you saturate the color by 10%, you get **48, 51.015, 152.374**, and if you desaturate by 10%, it is **48, 47.561, 154.544**.

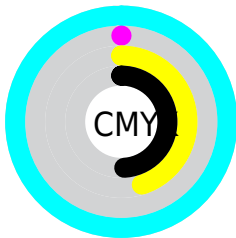
Distribution



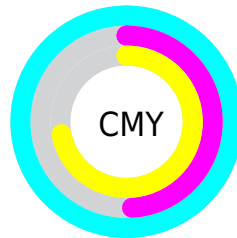
- Red (0%)
- Green (51%)
- Blue (28%)



- Red (0%)
- Yellow (33%)
- Blue (51%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 50.800, 152.502 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 48, 50.800, 152.502 by changing the saturation by 10% instead.


 48, 50.800,
152.502


 48, 50.800,
152.502


 100, 50.800,
152.502


 38, 50.800,
152.502

 68, 50.800,
152.502


 28, 50.800,
152.502

 78, 50.800,
152.502

 18, 50.800,
152.502

 88, 50.800,
152.502

 8, 50.800, 152.502

 98, 50.800,
152.502

 0, 50.800, 152.502

 48, 50.800,

 48, 50.800,

152.502

152.502

■ 48, 51.015,
152.374

■ 48, 47.561,
154.544

■ 49, 43.906,
156.512

■ 49, 39.683,
158.281

■ 49, 34.921,
159.858

■ 50, 29.684,
161.259

■ 51, 24.059,
162.506

■ 52, 18.145,
163.622

■ 53, 12.037,
164.631

Harmonies

Complementary

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



48, 50.800, 152.502



27, 51.472, 4.837

Rectangle

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



48, 50.800, 152.502



48, 50.800, 202.502



48, 50.800, 332.502



48, 50.800, 22.502

Sweetspot

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



48, 50.800, 152.502



66, 22.982, 163.478



49, 66.829, 128.605



34, 15.744, 163.083



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 50.800, 152.502



62, 62.535, 151.803



48, 29.247, 201.596



27, 3.547, 165.584



48, 50.636, 152.398



1, 0.852, 166.296

Inverse Universe

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



27, 51.472, 4.837



36, 62.537, 6.258



27, 61.860, 39.080



26, 3.599, 347.000



27, 51.250, 5.034



0, 0.852, 346.285

Previews

White Background



This preview shows how the CIELCh color 48, 50.800, 152.502 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 CIE LCh color 48, 50.800, 152.502 looks on a black 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

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

CIELCh 48, 50.800, 152.502

Background



This preview shows how black text looks on a background with the CIELCh color 48, 50.800, 152.502.



This preview shows how white text looks on a background with the CIELCh color 48, 50.800, 152.502.

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


48, 50.745, 152.454

Protanopia

48, 28.117, 96.840

Deuteranopia

48, 22.248, 73.726



Tritanopia
48, 23.241, 212.048

Trichromacy



Original Color
48, 50.745, 152.454



Protanomaly
46, 34.806, 136.174



Deuteranomaly
46, 27.215, 135.063



Tritanomaly
48, 30.633, 179.330

Monochromacy



Original Color
48, 50.745, 152.454



Achromatopsia
37, 0.005, 296.813



Achromatomaly
39, 22.602, 162.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 50.800, 152.502 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(1, 131, 72)` looks like.

```
.text, #text, p{  
    color:rgb(1, 131, 72)  
}
```

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(1, 131, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 131, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 50.800, 152.502 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(1, 131, 72) }
```

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

```
.border{ border-color:rgb(1, 131, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 131, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 131, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 131, 72);  
box-shadow:4px 4px 4px 4px rgb(1, 131, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 50.800, 152.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 131, 72) }
```

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

```
.background{ background-color: rgb(1, 131,  
72) }
```

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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