

Converting Colors

CIELCh(62, 73.825, 176.695)

Have a look what the booklet for
CIELCh(62, 73.825, 176.695)
contains.

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Color

CIELCh(65, 48.741, 169.122)

Conversions

Conversions Part 1

Format	Color
Hex	00B38C
RGB	0, 179, 140
RGB Percent	0%, 70%, 55%
CMY	1.0000, 0.2988, 0.4517
CMYK	1.00, 0.00, 0.22, 0.30
HSL	167°, 100%, 35%
HSV	167°, 100%, 70%
XYZ	20.7926, 34.0472, 30.2184
YIQ	121.0330, -94.1650, -50.0770

Conversions

Conversions Part 2

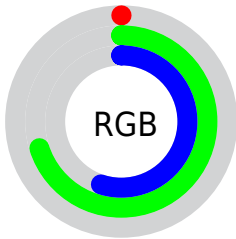
Format	Color
RYB	0, 100, 179
Decimal	45964
CIELab	65.00, -47.87, 9.20
CIELCh	65, 48.741, 169.122
Yxy	34.0472, 0.2445, 0.4003
Android (android.graphics.Color)	4278236044 (0xFF00B38C)
YUV	121.0330, 9.3507, -106.1459
Hunter-Lab	58.3500, -38.5053, 10.1398

Details

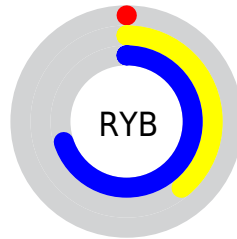
The CIELCh color **65, 48.741, 169.122** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **37, 70.295, 27.923**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 48.773, 169.258**, and **46, 40.145, 164.254** is the 20% darker color. If you saturate the color by 10%, you get **65, 48.713, 169.107**, and if you desaturate by 10%, it is **65, 46.667, 170.945**.

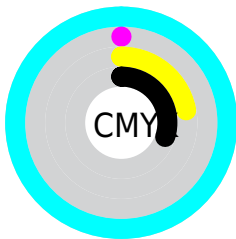
Distribution



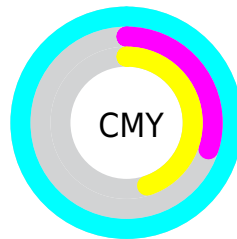
- Red (0%)
- Green (70%)
- Blue (55%)



- Red (0%)
- Yellow (39%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 48.741, 169.122 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 65, 48.741, 169.122 by changing the saturation by 10% instead.

 65, 48.741,
169.122

 65, 48.741,
169.122


 100, 48.741,
169.122


 55, 48.741,
169.122


 85, 48.741,
169.122

 45, 48.741,
169.122

 95, 48.741,
169.122

 35, 48.741,
169.122

 25, 48.741,
169.122

 15, 48.741,
169.122

 5, 48.741, 169.122

 0, 48.741, 169.122

■ 65, 48.741,
169.122

■ 65, 48.741,
169.122

■ 65, 48.713,
169.107

■ 65, 46.667,
170.945

■ 65, 44.049,
172.660

■ 66, 40.675,
174.204

■ 66, 36.536,
175.596

■ 67, 31.674,
176.858

■ 68, 26.175,
178.014

■ 69, 20.145,
179.085

■ 70, 13.698,

180.090

■ 71, 6.948, 181.060

Harmonies

Complementary

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



65, 48.741, 169.122



37, 70.295, 27.923

Rectangle

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



65, 48.741, 169.122



65, 48.741, 219.122



65, 48.741, 349.122



65, 48.741, 39.122

Sweetspot

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



65, 48.713, 169.107



87, 24.870, 179.032



64, 89.571, 134.198



46, 16.932, 178.593



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 48.713, 169.107



82, 59.483, 168.751



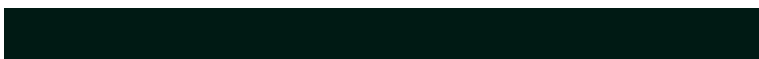
51, 35.731, 249.522



37, 3.932, 181.127



56, 43.276, 169.364



7, 10.065, 175.623

Inverse Universe

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



37, 70.295, 27.923



49, 86.161, 28.950



41, 73.644, 45.999



35, 4.070, 2.685



32, 62.290, 27.170



2, 9.456, 5.689

Previews

White Background



This preview shows how the CIELCh color 65, 48.741, 169.122 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 65, 48.741, 169.122 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 ✓ Pass

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

CIELCh 65, 48.741, 169.122

Background



This preview shows how black text looks on a background with the CIELCh color 65, 48.741, 169.122.

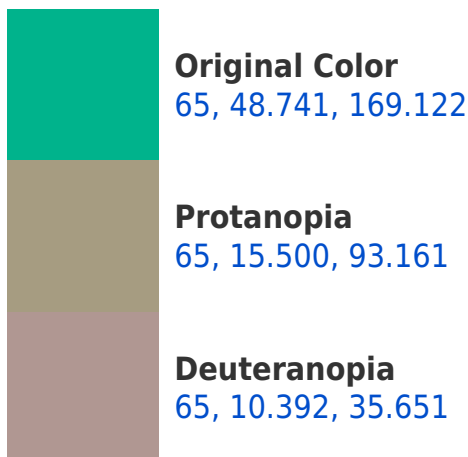


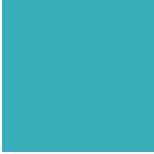
This preview shows how white text looks on a background with the CIELCh color 65, 48.741, 169.122.

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](#).

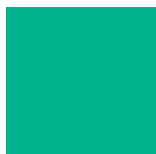
Dichromacy





Tritanopia
65, 32.160, 211.151

Trichromacy



Original Color
65, 48.741, 169.122



Protanomaly
63, 27.825, 158.586



Deuteranomaly
62, 20.487, 169.847



Tritanomaly
65, 36.676, 192.042

Monochromacy



Original Color
65, 48.741, 169.122



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 24.397, 177.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 48.741, 169.122 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(0, 179, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 140)  
}
```

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(0, 179, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 48.741, 169.122 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(0, 179, 140) }
```

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

```
.border{ border-color:rgb(0, 179, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 48.741, 169.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 140) }
```

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

```
.background{ background-color: rgb(0, 179,  
140) }
```

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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