

Converting Colors

CIELCh(68, 53.455, 165.109)

Have a look what the booklet for
CIELCh(68, 53.455, 165.109)
contains.

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Color

CIELCh(68, 53.421, 165.091)

Conversions

Conversions Part 1

Format	Color
Hex	02BC8B
RGB	2, 188, 139
RGB Percent	1%, 74%, 55%
CMY	0.9911, 0.2616, 0.4539
CMYK	0.99, 0.00, 0.26, 0.26
HSL	164°, 98%, 37%
HSV	164°, 99%, 74%
XYZ	22.7503, 37.9720, 30.6557
YIQ	126.8000, -95.1270, -54.6710

Conversions

Conversions Part 2

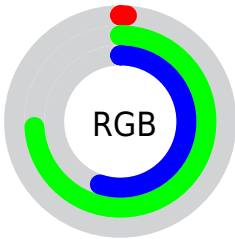
Format	Color
RYB	2, 109, 188
Decimal	179339
CIELab	68.00, -51.62, 13.74
CIELCh	68, 53.421, 165.091
Yxy	37.9720, 0.2490, 0.4155
Android (android.graphics.Color)	4278369419 (0xFF02BC8B)
YUV	126.8000, 6.0146, -109.4496
Hunter-Lab	61.6215, -41.9362, 13.6392

Details

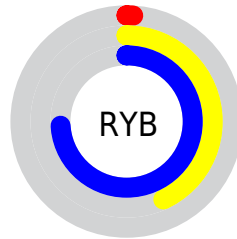
The CIELCh color **68, 53.421, 165.091** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 70.655, 23.789**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 53.088, 165.323**, and **49, 44.779, 160.154** is the 20% darker color. If you saturate the color by 10%, you get **68, 53.716, 164.852**, and if you desaturate by 10%, it is **68, 50.892, 167.094**.

Distribution



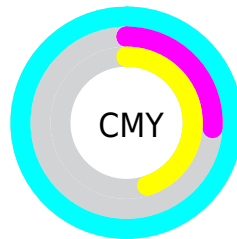
- Red (1%)
- Green (74%)
- Blue (55%)



- Red (1%)
- Yellow (43%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (26%)
- Black (26%)





- Cyan (99%)
- Magenta (26%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.421, 165.091 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 68, 53.421, 165.091 by changing the saturation by 10% instead.


 68, 53.421,
165.091


 68, 53.421,
165.091


 100, 53.421,
165.091


 58, 53.421,
165.091


 88, 53.421,
165.091

 48, 53.421,
165.091

 98, 53.421,
165.091

 38, 53.421,
165.091

 28, 53.421,
165.091

 18, 53.421,
165.091

 8, 53.421, 165.091

 0, 53.421, 165.091

■ 68, 53.421,
165.091

■ 68, 53.421,
165.091

■ 68, 53.716,
164.852

■ 68, 50.892,
167.094

■ 69, 47.711,
168.941

■ 69, 43.746,
170.600

■ 70, 38.999,
172.089

■ 70, 33.525,
173.431

■ 71, 27.421,
174.650

■ 72, 20.805,
175.769

■ 74, 13.801,

176.809

■ 75, 6.527, 177.808

Harmonies

Complementary

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



68, 53.421, 165.091



40, 70.655, 23.789

Rectangle

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



68, 53.421, 165.091



68, 53.421, 215.091



68, 53.421, 345.091



68, 53.421, 35.091

Sweetspot

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



68, 53.421, 165.090



91, 26.745, 175.585



67, 92.137, 133.688



48, 18.076, 175.118



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 53.421, 165.090



86, 65.778, 164.482



56, 35.672, 242.313



39, 4.215, 177.751



58, 46.996, 165.152



9, 13.824, 170.888

Inverse Universe

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



40, 70.655, 23.789



52, 87.299, 25.423



42, 77.031, 44.520



37, 4.344, 359.355



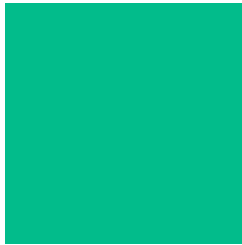
33, 62.224, 23.576



3, 12.718, 4.590

Previews

White Background



This preview shows how the CIELCh color 68, 53.421, 165.091 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 CIELCh color 68, 53.421, 165.091 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 68, 53.421, 165.091

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.421, 165.091.

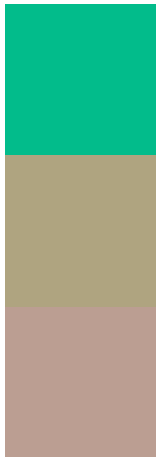


This preview shows how white text looks on a background with the CIELCh color 68, 53.421, 165.091.

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
68, 53.388, 165.073

Protanopia
67, 20.237, 95.106

Deuteranopia
67, 13.495, 49.351



Tritanopia
68, 32.843, 211.772

Trichromacy



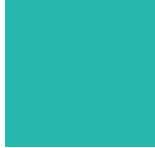
Original Color
68, 53.388, 165.073



Protanomaly
66, 32.319, 152.460



Deuteranomaly
65, 23.050, 160.496



Tritanomaly
68, 38.528, 188.915

Monochromacy



Original Color
68, 53.388, 165.073



Achromatopsia
53, 0.007, 296.813



Achromatomaly
57, 25.992, 173.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.421, 165.091 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(2, 188, 139)` looks like.

```
.text, #text, p{  
    color:rgb(2, 188, 139)  
}
```

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(2, 188, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 188, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.421, 165.091 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(2, 188, 139) }
```

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

```
.border{ border-color:rgb(2, 188, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 188, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 188, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 188, 139);  
box-shadow:4px 4px 4px 4px rgb(2, 188,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.421, 165.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 188, 139) }
```

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

```
.background{ background-color: rgb(2, 188,  
139) }
```

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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