

Converting Colors

CIELCh(68, 56.894, 168.931)

Have a look what the booklet for
CIELCh(68, 56.894, 168.931)
contains.

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Color

CIELCh(69, 52.624, 166.750)

Conversions

Conversions Part 1

Format	Color
Hex	05BF91
RGB	5, 191, 145
RGB Percent	2%, 75%, 57%
CMY	0.9815, 0.2509, 0.4316
CMYK	0.98, 0.00, 0.24, 0.25
HSL	165°, 95%, 38%
HSV	165°, 98%, 75%
XYZ	23.8016, 39.3444, 33.1088
YIQ	130.1420, -96.0900, -53.7380

Conversions

Conversions Part 2

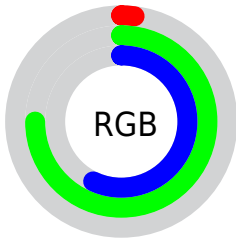
Format	Color
RYB	5, 111, 191
Decimal	376721
CIELab	69.00, -51.22, 12.06
CIELCh	69, 52.624, 166.750
Yxy	39.3444, 0.2473, 0.4088
Android (android.graphics.Color)	4278566801 (0xFF05BF91)
YUV	130.1420, 7.3250, -109.7495
Hunter-Lab	62.7251, -42.0356, 12.6120

Details

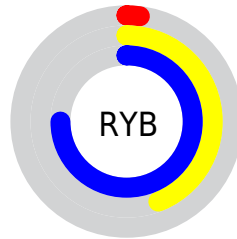
The CIELCh color **69, 52.624, 166.750** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 71.532, 24.577**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 52.440, 166.984**, and **50, 43.940, 162.333** is the 20% darker color. If you saturate the color by 10%, you get **69, 53.194, 166.271**, and if you desaturate by 10%, it is **69, 50.160, 168.702**.

Distribution



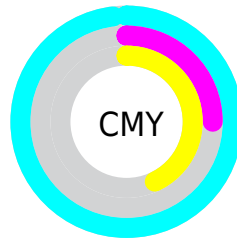
- Red (2%)
- Green (75%)
- Blue (57%)



- Red (2%)
- Yellow (44%)
- Blue (75%)



- Cyan (98%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)





- Cyan (98%)
- Magenta (25%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 52.624, 166.750 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 69, 52.624, 166.750 by changing the saturation by 10% instead.


 69, 52.624,
166.750


 69, 52.624,
166.750


 100, 52.624,
166.750


 59, 52.624,
166.750


 89, 52.624,
166.750

 49, 52.624,
166.750

 99, 52.624,
166.750

 39, 52.624,
166.750

 29, 52.624,
166.750

 19, 52.624,
166.750

 9, 52.624, 166.750

 0, 52.624, 166.750

■ 69, 52.624,
166.750

■ 69, 52.624,
166.750

■ 69, 53.194,
166.271

■ 69, 50.160,
168.702

■ 70, 46.989,
170.484

■ 70, 43.017,
172.085

■ 71, 38.251,
173.523

■ 71, 32.750,
174.824

■ 72, 26.616,
176.009

■ 73, 19.967,
177.103

■ 75, 12.927,

178.126

■ 76, 5.616, 179.121

Harmonies

Complementary

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



69, 52.624, 166.750



40, 71.532, 24.577

Rectangle

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



69, 52.624, 166.750



69, 52.624, 216.750



69, 52.624, 346.750



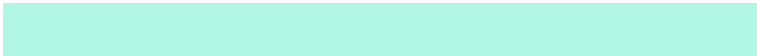
69, 52.624, 36.750

Sweetspot

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



69, 52.624, 166.749



92, 25.844, 176.898



68, 93.056, 133.909



49, 17.710, 176.429



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 52.624, 166.749



87, 64.919, 165.919



56, 36.481, 245.282



39, 4.178, 178.937



58, 46.038, 166.586



9, 13.642, 172.227

Inverse Universe

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



40, 71.532, 24.577



52, 88.890, 26.825



43, 76.420, 45.153



37, 4.313, 0.533



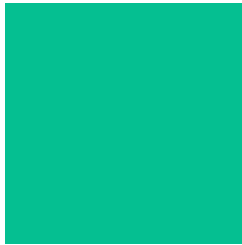
33, 62.788, 24.956



3, 12.666, 5.465

Previews

White Background



This preview shows how the CIELCh color 69, 52.624, 166.750 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 69, 52.624, 166.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

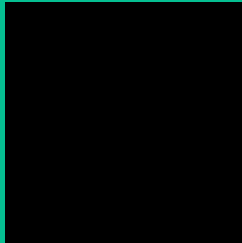
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 52.624, 166.750

Background



This preview shows how black text looks on a background with the CIELCh color 69, 52.624, 166.750.

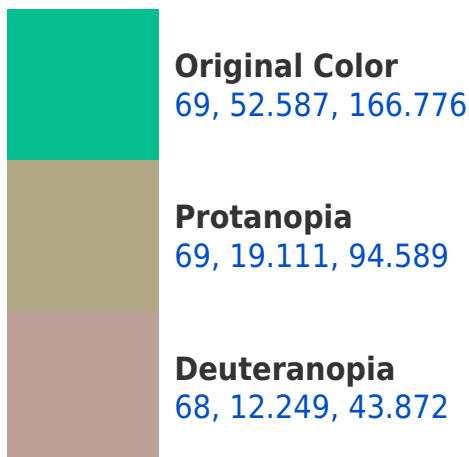


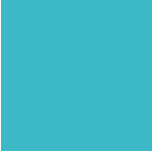
This preview shows how white text looks on a background with the CIELCh color 69, 52.624, 166.750.

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
69, 33.404, 211.459

Trichromacy



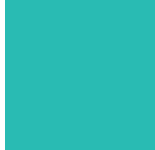
Original Color
69, 52.587, 166.776



Protanomaly
67, 31.412, 153.866



Deuteranomaly
66, 22.541, 163.164



Tritanomaly
69, 38.749, 189.829

Monochromacy



Original Color
69, 52.587, 166.776



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 25.923, 175.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 52.624, 166.750 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(5, 191, 145)` looks like.

```
.text, #text, p{  
    color:rgb(5, 191, 145)  
}
```

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(5, 191, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 191, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 52.624, 166.750 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(5, 191, 145) }
```

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

```
.border{ border-color:rgb(5, 191, 145) }
```

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

Here you see how a box with a 4 pixel rgb(5, 191, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 191, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 191, 145);  
box-shadow:4px 4px 4px 4px rgb(5, 191,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 52.624, 166.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 191, 145) }
```

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

```
.background{ background-color: rgb(5, 191,  
145) }
```

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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