

Converting Colors

CIELCh(69, 55.357, 162.803)

Have a look what the booklet for
CIELCh(69, 55.357, 162.803)
contains.

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Color

CIELCh(69, 55.147, 162.921)

Conversions

Conversions Part 1

Format	Color
Hex	10BF89
RGB	16, 191, 137
RGB Percent	6%, 75%, 54%
CMY	0.9362, 0.2496, 0.4615
CMYK	0.92, 0.00, 0.28, 0.25
HSL	161°, 84%, 41%
HSV	161°, 92%, 75%
XYZ	23.4652, 39.3444, 30.1480
YIQ	132.5190, -86.9660, -53.8940

Conversions

Conversions Part 2

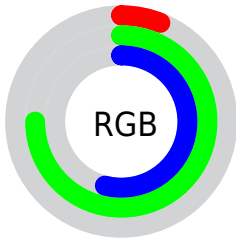
Format	Color
RYB	16, 119, 191
Decimal	1097609
CIELab	69.00, -52.72, 16.20
CIELCh	69, 55.147, 162.921
Yxy	39.3444, 0.2524, 0.4233
Android (android.graphics.Color)	4279287689 (0xFF10BF89)
YUV	132.5190, 2.2091, -102.1872
Hunter-Lab	62.7251, -42.9930, 15.4106

Details

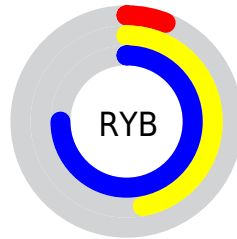
The CIELCh color **69, 55.147, 162.921** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **41, 67.394, 16.022**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 54.783, 163.252**, and **50, 47.186, 158.010** is the 20% darker color. If you saturate the color by 10%, you get **69, 57.589, 161.124**, and if you desaturate by 10%, it is **69, 51.746, 164.923**.

Distribution



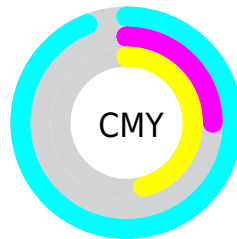
- Red (6%)
- Green (75%)
- Blue (54%)



- Red (6%)
- Yellow (47%)
- Blue (75%)



- Cyan (92%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (94%)
- Magenta (25%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 55.147, 162.921 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, 55.147, 162.921 by changing the saturation by 10% instead.


 69, 55.147,
162.921


 69, 55.147,
162.921


 100, 55.147,
162.921


 59, 55.147,
162.921


 89, 55.147,
162.921

 49, 55.147,
162.921

 99, 55.147,
162.921

 39, 55.147,
162.921

 29, 55.147,
162.921

 19, 55.147,
162.921

 9, 55.147, 162.921

 0, 55.147, 162.921

■ 69, 55.147,
162.921

■ 69, 55.147,
162.921

■ 69, 57.589,
161.124

■ 69, 51.746,
164.923

■ 70, 47.570,
166.726

■ 70, 42.606,
168.339

■ 71, 36.902,
169.783

■ 72, 30.552,
171.083

■ 73, 23.678,
172.263

■ 74, 16.407,
173.346

■ 76, 8.864, 174.362

Harmonies

Complementary

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



69, 55.147, 162.921



41, 67.394, 16.022

Rectangle

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



69, 55.147, 162.921



69, 55.147, 212.921



69, 55.147, 342.921



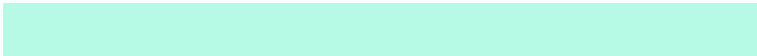
69, 55.147, 32.921

Sweetspot

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



69, 55.147, 162.920



93, 25.379, 172.713



69, 89.632, 132.290



49, 17.001, 172.332



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, 55.147, 162.920



88, 70.828, 160.735



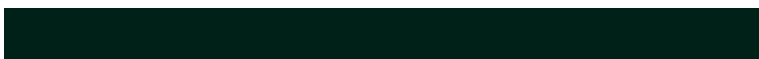
61, 34.582, 229.153



40, 4.421, 174.575



59, 50.339, 161.435



10, 15.773, 167.334

Inverse Universe

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



41, 67.394, 16.022



53, 86.538, 21.507



43, 74.786, 42.475



38, 4.538, 356.191



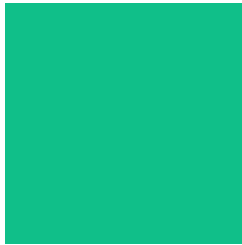
33, 61.623, 19.670



3, 14.648, 3.049

Previews

White Background



This preview shows how the CIELCh color 69, 55.147, 162.921 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 69, 55.147, 162.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

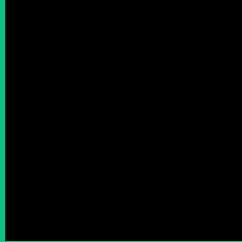
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 55.147, 162.921

Background



This preview shows how black text looks on a background with the CIELCh color 69, 55.147, 162.921.

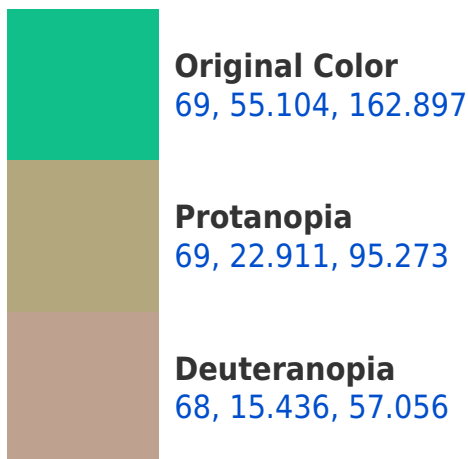


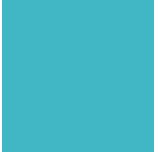
This preview shows how white text looks on a background with the CIELCh color 69, 55.147, 162.921.

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, 32.649, 211.858

Trichromacy



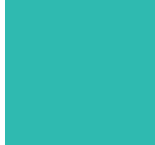
Original Color
69, 55.104, 162.897



Protanomaly
67, 33.160, 147.404



Deuteranomaly
66, 23.860, 153.596



Tritanomaly
69, 38.321, 188.090

Monochromacy



Original Color
69, 55.104, 162.897



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 25.169, 171.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 55.147, 162.921 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(16, 191, 137)` looks like.

```
.text, #text, p{  
    color:rgb(16, 191, 137)  
}
```

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(16, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 191, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 55.147, 162.921 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(16, 191, 137) }
```

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

```
.border{ border-color:rgb(16, 191, 137) }
```

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

Here you see how a box with a 4 pixel rgb(16, 191, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 191, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 191, 137);  
box-shadow:4px 4px 4px 4px rgb(16, 191,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 55.147, 162.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 191, 137) }
```

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

```
.background{ background-color: rgb(16, 191,  
137) }
```

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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