

Converting Colors

CIELCh(69, 28.685, 181.646)

Have a look what the booklet for
CIELCh(69, 28.685, 181.646)
contains.

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Color

CIELCh(69, 28.731, 181.486)

Conversions

Conversions Part 1

Format	Color
Hex	64B7A9
RGB	100, 183, 169
RGB Percent	39%, 72%, 66%
CMY	0.6086, 0.2831, 0.3380
CMYK	0.45, 0.00, 0.08, 0.28
HSL	170°, 37%, 55%
HSV	170°, 45%, 72%
XYZ	29.2725, 39.3444, 43.4961
YIQ	156.5870, -44.9740, -21.9500

Conversions

Conversions Part 2

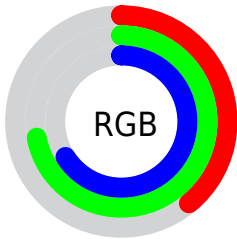
Format	Color
RYB	100, 145, 183
Decimal	6600617
CIELab	69.00, -28.72, -0.75
CIElCh	69, 28.731, 181.486
Yxy	39.3444, 0.2611, 0.3509
Android (android.graphics.Color)	4284790697 (0xFF64B7A9)
YUV	156.5870, 6.1196, -49.6268
Hunter-Lab	62.7251, -26.4668, 2.7935

Details

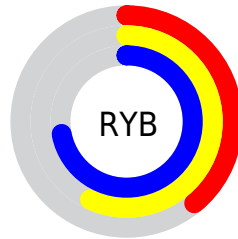
The CIELCh color **69, 28.731, 181.486** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **52, 35.586, 11.526**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.729, 181.645**, and **49, 28.924, 181.049** is the 20% darker color. If you saturate the color by 10%, you get **68, 33.666, 180.394**, and if you desaturate by 10%, it is **70, 23.162, 182.501**.

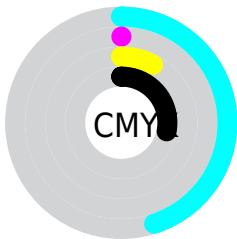
Distribution



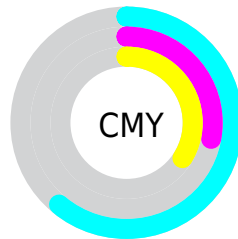
- Red (39%)
- Green (72%)
- Blue (66%)



- Red (39%)
- Yellow (57%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 28.731, 181.486 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, 28.731, 181.486 by changing the saturation by 10% instead.

 69, 28.731,
181.486

 69, 28.731,
181.486

 100, 28.731,
181.486

 59, 28.731,
181.486

 89, 28.731,
181.486

 49, 28.731,
181.486

 99, 28.731,
181.486

 39, 28.731,
181.486

 29, 28.731,
181.486

 19, 28.731,
181.486

 9, 28.731, 181.486

 0, 28.731, 181.486

69, 28.731,
181.486

69, 28.731,
181.486

68, 33.666,
180.394

70, 23.162,
182.501

68, 37.873,
179.211

71, 17.067,
183.463

67, 41.292,
177.914

72, 10.563,
184.389

67, 43.914,
176.481

74, 3.760, 185.342

75, 3.241, 5.902

67, 45.793,
174.898

77, 10.357, 6.818

67, 46.533,
174.158

78, 17.517, 7.625

80, 24.669, 8.400

81, 28.261, 7.112

Harmonies

Complementary

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



69, 28.731, 181.486



52, 35.586, 11.526

Rectangle

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



69, 28.731, 181.486



69, 28.731, 231.486



69, 28.731, 1.486



69, 28.731, 51.486

Sweetspot

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



69, 28.731, 181.484



91, 11.886, 184.496



68, 51.720, 136.672



49, 8.241, 184.298



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 28.731, 181.484



86, 40.632, 180.451



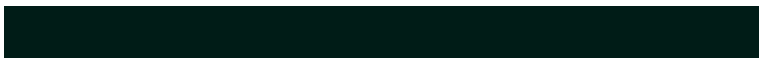
62, 22.564, 239.454



38, 3.937, 184.949



57, 41.194, 174.385



8, 11.359, 179.610

Inverse Universe

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



52, 35.586, 11.526



62, 52.827, 13.636



58, 29.828, 50.879



36, 4.097, 6.446



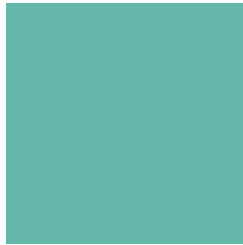
32, 65.117, 30.950



2, 10.833, 9.263

Previews

White Background



This preview shows how the CIELCh color 69, 28.731, 181.486 looks on a white background.

Color Contrast Check

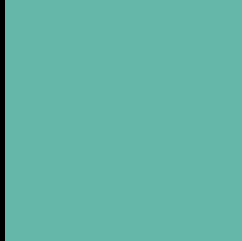
Large Text (above 18pt) WCAG AA × Fail

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, 28.731, 181.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

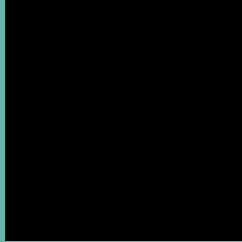
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 28.731, 181.486

Background



This preview shows how black text looks on a background with the CIELCh color 69, 28.731, 181.486.

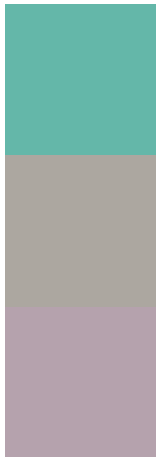


This preview shows how white text looks on a background with the CIELCh color 69, 28.731, 181.486.

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](#).

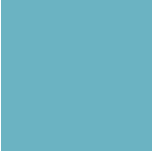
Dichromacy



Original Color
69, 28.731, 181.486

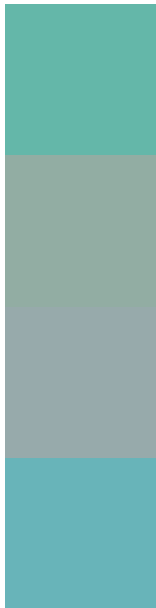
Protanopia
69, 4.276, 82.944

Deuteranopia
69, 9.423, 340.398



Tritanopia
69, 23.672, 218.324

Trichromacy



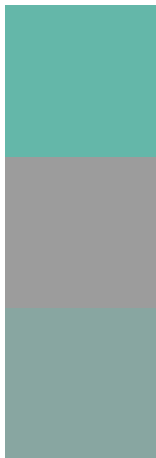
Original Color
69, 28.731, 181.486

Protanomaly
68, 11.501, 169.880

Deuteranomaly
68, 6.959, 203.438

Tritanomaly
69, 24.314, 204.075

Monochromacy



Original Color
69, 28.731, 181.486

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 11.393, 184.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 28.731, 181.486 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(100, 183, 169)` looks like.

```
.text, #text, p{  
    color:rgb(100, 183, 169)  
}
```

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(100, 183, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 183, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 28.731, 181.486 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(100, 183, 169) }
```

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

```
.border{ border-color:rgb(100, 183, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 183, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 183, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 183, 169);  
box-shadow:4px 4px 4px 4px rgb(100, 183,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 28.731, 181.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 183, 169) }
```

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

```
.background{ background-color: rgb(100,  
183, 169) }
```

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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