

Converting Colors

CIELCh(69, 32.790, 199.110)

Have a look what the booklet for
CIELCh(69, 32.790, 199.110)
contains.

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Color

CIElCh(69, 32.581, 199.835)

Conversions

Conversions Part 1

Format	Color
Hex	46B8BB
RGB	70, 184, 187
RGB Percent	27%, 72%, 73%
CMY	0.7238, 0.2771, 0.2653
CMYK	0.62, 0.02, 0.00, 0.27
HSL	182°, 46%, 51%
HSV	182°, 62%, 73%
XYZ	28.7742, 39.3444, 53.2838
YIQ	150.2560, -68.9070, -23.2350

Conversions

Conversions Part 2

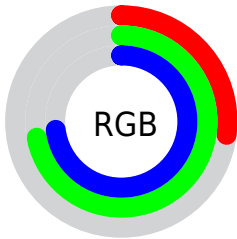
Format	Color
RYB	70, 128, 187
Decimal	4634811
CIELab	69.00, -30.65, -11.06
CIELCh	69, 32.581, 199.835
Yxy	39.3444, 0.2370, 0.3241
Android (android.graphics.Color)	4282824891 (0xFF46B8BB)
YUV	150.2560, 18.1148, -70.3845
Hunter-Lab	62.7251, -27.8847, -6.4582

Details

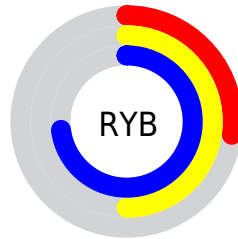
The CIELCh color **69, 32.581, 199.835** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **47, 52.502, 29.358**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 32.557, 200.124**, and **49, 29.848, 201.058** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.213, 199.860**, and if you desaturate by 10%, it is **70, 29.103, 199.911**.

Distribution



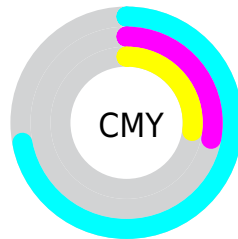
- Red (27%)
- Green (72%)
- Blue (73%)



- Red (27%)
- Yellow (50%)
- Blue (73%)



- Cyan (62%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)





- Cyan (72%)
- Magenta (28%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.581, 199.835 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, 32.581, 199.835 by changing the saturation by 10% instead.


 69, 32.581,
199.835


 69, 32.581,
199.835


 100, 32.581,
199.835


 59, 32.581,
199.835


 89, 32.581,
199.835

 49, 32.581,
199.835

 99, 32.581,
199.835

 39, 32.581,
199.835

 29, 32.581,
199.835

 19, 32.581,
199.835

 9, 32.581, 199.835

 0, 32.581, 199.835

69, 32.581,
199.835

69, 32.581,
199.835

68, 35.213,
199.860

70, 29.103,
199.911

68, 36.996,
199.996

71, 24.830,
200.085

68, 37.980,
200.243

72, 19.842,
200.346

67, 38.353,
200.486

73, 14.240,
200.686

74, 8.130, 201.105

76, 1.618, 201.810

77, 5.197, 21.866

79, 12.229, 22.439

81, 19.407, 22.992

Harmonies

Complementary

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



69, 32.581, 199.835



47, 52.502, 29.358

Rectangle

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



69, 32.581, 199.835



69, 32.581, 249.835



69, 32.581, 19.835



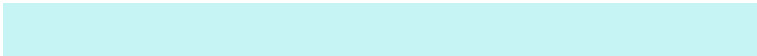
69, 32.581, 69.835

Sweetspot

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



69, 32.581, 199.833



93, 15.154, 200.806



68, 73.042, 139.395



49, 10.329, 200.695



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 32.581, 199.833



87, 44.001, 199.899



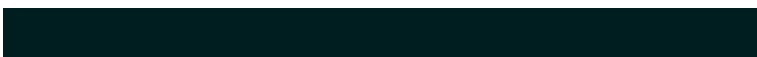
52, 37.258, 270.442



39, 3.764, 201.256



58, 33.843, 200.431



9, 11.263, 199.969

Inverse Universe

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



50, 71.648, 328.308



61, 100.093, 328.781



59, 43.632, 69.184



37, 6.946, 325.622



37, 79.262, 329.264



3, 20.959, 326.343

Previews

White Background



This preview shows how the CIELCh color 69, 32.581, 199.835 looks on a white background.

Color Contrast Check

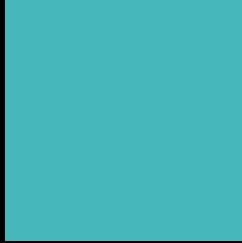
Large Text (above 18pt) WCAG AA × Fail

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, 32.581, 199.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

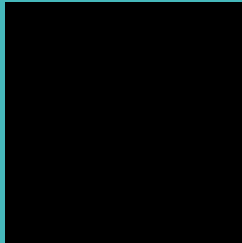
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 32.581, 199.835

Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.581, 199.835.

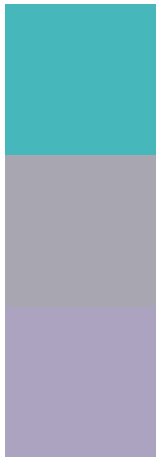


This preview shows how white text looks on a background with the CIELCh color 69, 32.581, 199.835.

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, 32.581, 199.835

Protanopia
69, 5.567, 298.380

Deuteranopia
69, 16.353, 303.096



Tritanopia
69, 31.071, 212.733

Trichromacy



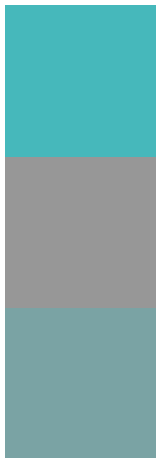
Original Color
69, 32.581, 199.835

Protanomaly
68, 14.244, 214.144

Deuteranomaly
68, 15.741, 240.586

Tritanomaly
69, 31.400, 208.310

Monochromacy



Original Color
69, 32.581, 199.835

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 14.478, 200.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 32.581, 199.835 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(70, 184, 187)` looks like.

```
.text, #text, p{  
    color:rgb(70, 184, 187)  
}
```

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(70, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 184, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 32.581, 199.835 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(70, 184, 187) }
```

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

```
.border{ border-color:rgb(70, 184, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 184, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(70, 184,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 32.581, 199.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 184, 187) }
```

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

```
.background{ background-color: rgb(70, 184,  
187) }
```

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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