

Converting Colors

CIELCh(69, 32.478, 189.978)

Have a look what the booklet for
CIELCh(69, 32.478, 189.978)
contains.

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Color

CIELCh(69, 32.497, 189.998)

Conversions

Conversions Part 1

Format	Color
Hex	4EB9B2
RGB	78, 185, 178
RGB Percent	31%, 73%, 70%
CMY	0.6922, 0.2763, 0.3037
CMYK	0.57, 0.00, 0.04, 0.28
HSL	176°, 43%, 52%
HSV	176°, 57%, 72%
XYZ	28.4271, 39.3444, 47.9799
YIQ	152.2090, -61.5250, -24.8610

Conversions

Conversions Part 2

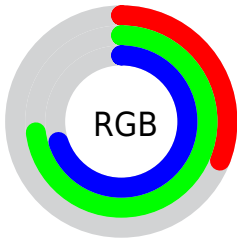
Format	Color
RYB	78, 133, 185
Decimal	5159346
CIELab	69.00, -32.00, -5.64
CIElCh	69, 32.497, 189.998
Yxy	39.3444, 0.2456, 0.3399
Android (android.graphics.Color)	4283349426 (0xFF4EB9B2)
YUV	152.2090, 12.7150, -65.0813
Hunter-Lab	62.7251, -28.8724, -1.4448

Details

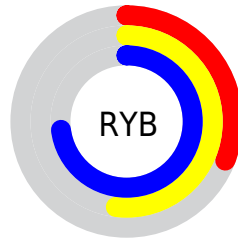
The CIELCh color **69, 32.497, 189.998** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 46.924, 22.020**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 32.845, 189.940**, and **49, 31.707, 189.786** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.940, 189.296**, and if you desaturate by 10%, it is **70, 28.254, 190.685**.

Distribution



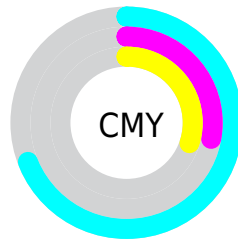
- Red (31%)
- Green (73%)
- Blue (70%)



- Red (31%)
- Yellow (52%)
- Blue (73%)



- Cyan (57%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)





- Cyan (69%)
- Magenta (28%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.497, 189.998 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, 32.497, 189.998 by changing the saturation by 10% instead.


 69, 32.497,
189.998


 69, 32.497,
189.998


 100, 32.497,
189.998


 59, 32.497,
189.998


 89, 32.497,
189.998

 49, 32.497,
189.998

 99, 32.497,
189.998

 39, 32.497,
189.998

 29, 32.497,
189.998

 19, 32.497,
189.998

 9, 32.497, 189.998

 0, 32.497, 189.998

69, 32.497,
189.998

69, 32.497,
189.998

68, 35.940,
189.296

70, 28.254,
190.685

68, 38.547,
188.571

71, 23.286,
191.370

68, 40.332,
187.806

71, 17.691,
192.060

68, 41.399,
186.992

73, 11.580,
192.764

68, 41.628,
186.785

74, 5.064, 193.514

75, 1.754, 13.821

77, 8.780, 14.755

79, 15.936, 15.483

80, 23.158, 16.192

Harmonies

Complementary

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



69, 32.497, 189.998



48, 46.924, 22.020

Rectangle

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



69, 32.497, 189.998



69, 32.497, 239.998



69, 32.497, 9.998



69, 32.497, 59.998

Sweetspot

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



69, 32.497, 189.996



92, 13.947, 192.777



67, 66.894, 138.340



49, 9.275, 192.635



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, 32.497, 189.996



87, 44.674, 189.105



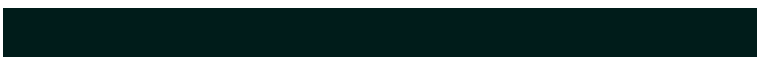
56, 30.529, 258.970



38, 3.813, 193.364



58, 36.657, 186.903



8, 10.745, 190.331

Inverse Universe

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



48, 46.924, 22.020



56, 70.569, 25.841



57, 38.959, 61.715



36, 4.013, 14.579



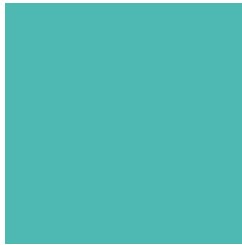
32, 69.413, 36.888



2, 10.674, 15.398

Previews

White Background



This preview shows how the CIE LCh color 69, 32.497, 189.998 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, 32.497, 189.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

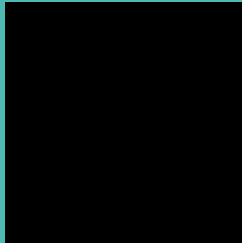
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 32.497, 189.998

Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.497, 189.998.

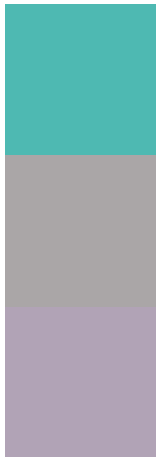


This preview shows how white text looks on a background with the CIELCh color 69, 32.497, 189.998.

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, 32.694, 190.024

Protanopia
68, 1.622, 359.460

Deuteranopia
69, 11.719, 317.311



Tritanopia
69, 28.832, 212.967

Trichromacy



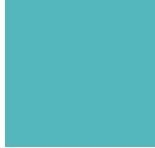
Original Color
69, 32.694, 190.024



Protanomaly
68, 12.940, 193.441



Deuteranomaly
68, 11.505, 224.292



Tritanomaly
69, 29.730, 203.574

Monochromacy



Original Color
69, 32.694, 190.024



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 14.131, 191.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 32.497, 189.998 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(78, 185, 178)` looks like.

```
.text, #text, p{  
    color:rgb(78, 185, 178)  
}
```

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(78, 185, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 185, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 32.497, 189.998 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(78, 185, 178) }
```

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

```
.border{ border-color:rgb(78, 185, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 185, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 185, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 185, 178);  
box-shadow:4px 4px 4px 4px rgb(78, 185,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 32.497, 189.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 185, 178) }
```

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

```
.background{ background-color: rgb(78, 185,  
178) }
```

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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