

Converting Colors

CIELCh(69, 33.463, 204.229)

Have a look what the booklet for
CIELCh(69, 33.463, 204.229)
contains.

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Color

CIELCh(69, 33.311, 204.577)

Conversions

Conversions Part 1

Format	Color
Hex	40B8C0
RGB	64, 184, 192
RGB Percent	25%, 72%, 75%
CMY	0.7509, 0.2769, 0.2455
CMYK	0.67, 0.04, 0.00, 0.25
HSL	184°, 51%, 50%
HSV	184°, 67%, 75%
XYZ	28.8656, 39.3444, 56.1739
YIQ	149.0320, -74.0880, -22.9520

Conversions

Conversions Part 2

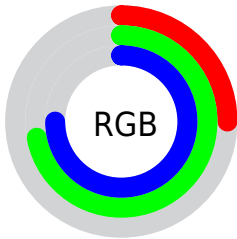
Format	Color
RYB	64, 126, 192
Decimal	4241600
CIELab	69.00, -30.29, -13.85
CIELCh	69, 33.311, 204.577
Yxy	39.3444, 0.2321, 0.3163
Android (android.graphics.Color)	4282431680 (0xFF40B8C0)
YUV	149.0320, 21.1832, -74.5731
Hunter-Lab	62.7251, -27.6247, -9.1900

Details

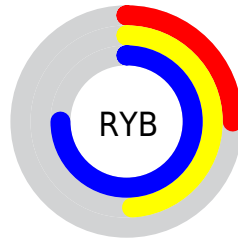
The CIELCh color **69, 33.311, 204.577** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **47, 56.849, 32.455**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 32.969, 204.701**, and **49, 29.410, 207.096** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.456, 205.057**, and if you desaturate by 10%, it is **70, 30.303, 204.274**.

Distribution



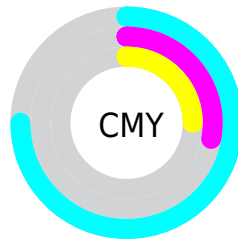
- Red (25%)
- Green (72%)
- Blue (75%)



- Red (25%)
- Yellow (49%)
- Blue (75%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (75%)
- Magenta (28%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 33.311, 204.577 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, 33.311, 204.577 by changing the saturation by 10% instead.


 69, 33.311,
204.577


 69, 33.311,
204.577


 100, 33.311,
204.577


 59, 33.311,
204.577


 89, 33.311,
204.577

 49, 33.311,
204.577

 99, 33.311,
204.577

 39, 33.311,
204.577

 29, 33.311,
204.577

 19, 33.311,
204.577

 9, 33.311, 204.577

 0, 33.311, 204.577

■ 69, 33.311,
204.577

■ 69, 33.311,
204.577

■ 68, 35.456,
205.057

■ 70, 30.303,
204.274

■ 68, 36.756,
205.737

■ 71, 26.468,
204.130

■ 67, 37.306,
206.620

■ 72, 21.878,
204.124

■ 67, 37.409,
206.904

■ 73, 16.628,
204.236

■ 75, 10.824,
204.452

■ 77, 4.574, 204.797

■ 78, 2.024, 24.750

■ 80, 8.881, 25.341

Harmonies

Complementary

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



69, 33.311, 204.577



47, 56.849, 32.455

Rectangle

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



69, 33.311, 204.577



69, 33.311, 254.577



69, 33.311, 24.577



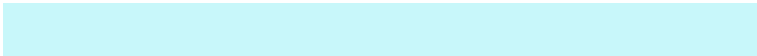
69, 33.311, 74.577

Sweetspot

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



69, 33.311, 204.576



94, 15.601, 204.369



69, 77.371, 139.626



50, 10.541, 204.307



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, 33.311, 204.576



86, 43.960, 205.323



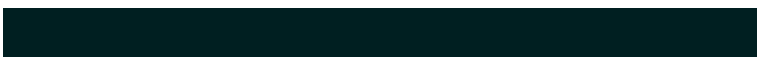
50, 42.887, 275.448



40, 3.714, 204.695



57, 32.761, 206.752



10, 11.608, 204.319

Inverse Universe

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



50, 75.201, 329.708



61, 102.448, 330.271



61, 48.429, 71.633



38, 6.926, 326.654



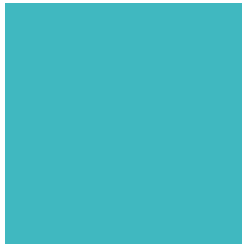
37, 77.959, 330.836



4, 22.862, 328.491

Previews

White Background



This preview shows how the CIE LCh color 69, 33.311, 204.577 looks on a white background.

Color Contrast Check

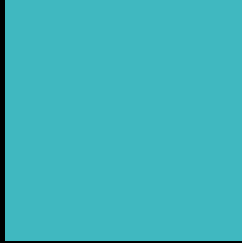
Large Text (above 18pt) WCAG AA × Fail

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, 33.311, 204.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

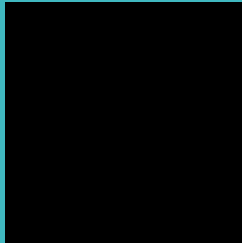
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

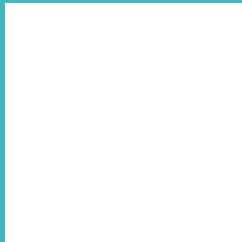
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 33.311, 204.577

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.311, 204.577.

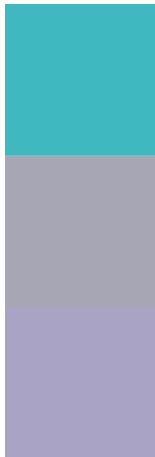


This preview shows how white text looks on a background with the CIELCh color 69, 33.311, 204.577.

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, 33.161, 204.622

Protanopia
69, 8.257, 291.020

Deuteranopia
69, 18.897, 298.442



Tritanopia
69, 32.351, 212.018

Trichromacy



Original Color
69, 33.161, 204.622



Protanomaly
68, 16.067, 222.774



Deuteranomaly
68, 18.301, 245.234



Tritanomaly
69, 32.706, 208.771

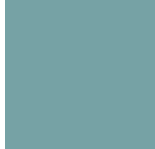
Monochromacy



Original Color
69, 33.161, 204.622



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 15.396, 204.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.311, 204.577 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(64, 184, 192)` looks like.

```
.text, #text, p{  
    color:rgb(64, 184, 192)  
}
```

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(64, 184, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 184, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.311, 204.577 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(64, 184, 192) }
```

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

```
.border{ border-color:rgb(64, 184, 192) }
```

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

Here you see how a box with a 4 pixel rgb(64, 184, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 184, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 184, 192);  
box-shadow:4px 4px 4px 4px rgb(64, 184,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.311, 204.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 184, 192) }
```

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

```
.background{ background-color: rgb(64, 184,  
192) }
```

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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