

Converting Colors

CIELCh(69, 33.451, 210.611)

Have a look what the booklet for
CIELCh(69, 33.451, 210.611)
contains.

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Color

CIELCh(69, 33.405, 210.459)

Conversions

Conversions Part 1

Format	Color
Hex	3DB8C6
RGB	61, 184, 198
RGB Percent	24%, 72%, 78%
CMY	0.7608, 0.2785, 0.2236
CMYK	0.69, 0.07, 0.00, 0.22
HSL	186°, 55%, 51%
HSV	186°, 69%, 78%
XYZ	29.2534, 39.3444, 59.4713
YIQ	148.8190, -77.8020, -21.7220

Conversions

Conversions Part 2

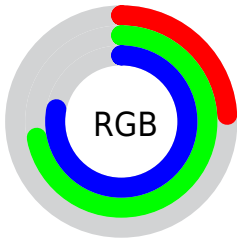
Format	Color
R_{YB}	61, 126, 198
Decimal	4044998
CIE _{Lab}	69.00, -28.79, -16.93
CIE _{LCh}	69, 33.405, 210.459
Yxy	39.3444, 0.2284, 0.3072
Android (android.graphics.Color)	4282235078 (0xFF3DB8C6)
YUV	148.8190, 24.2462, -77.0173
Hunter-Lab	62.7251, -26.5212, -12.3068




Details

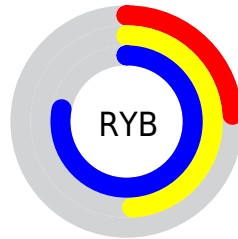
The CIELCh color **69, 33.405, 210.459** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **49, 59.008, 35.163**, and the grayscale version is **62, 0.008, 296.813**.




A 20% lighter version of the original color is **89, 33.357, 211.116**, and **50, 29.436, 211.909** is the 20% darker color. If you saturate the color by 10%, you get **68, 35.311, 211.518**, and if you desaturate by 10%, it is **70, 30.636, 209.681**.

Distribution







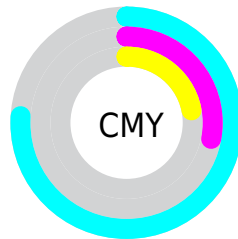
-  Red (24%)
-  Green (72%)
-  Blue (78%)






-  Red (24%)
-  Yellow (49%)
-  Blue (78%)



-  Cyan (69%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (22%)





-  Cyan (76%)
-  Magenta (28%)
-  Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 33.405, 210.459 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, 33.405, 210.459 by changing the saturation by 10% instead.


 69, 33.405,
210.459


 69, 33.405,
210.459


 100, 33.405,
210.459


 59, 33.405,
210.459


 89, 33.405,
210.459

 49, 33.405,
210.459

 99, 33.405,
210.459

 39, 33.405,
210.459

 29, 33.405,
210.459

 19, 33.405,
210.459

 9, 33.405, 210.459

 0, 33.405, 210.459

■ 69, 33.405,
210.459

■ 69, 33.405,
210.459

■ 68, 35.311,
211.518

■ 70, 30.636,
209.681

■ 67, 36.386,
212.898

■ 71, 27.033,
209.147

■ 66, 36.793,
214.590

■ 73, 22.661,
208.817

■ 66, 36.818,
214.730

■ 74, 17.615,
208.657

■ 76, 11.998,
208.642

■ 78, 5.916, 208.768

■ 80, 0.532, 27.802

■ 82, 7.257, 28.995

Harmonies

Complementary

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



69, 33.405, 210.459



49, 59.008, 35.163

Rectangle

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



69, 33.405, 210.459



69, 33.405, 260.459



69, 33.405, 30.459



69, 33.405, 80.459

Sweetspot

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



69, 33.404, 210.458



95, 16.010, 208.634



71, 78.746, 140.566



50, 10.732, 208.633



0, 0.000, 0.000



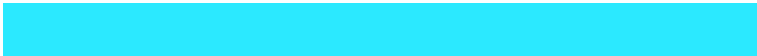
53, 0.007, 296.813

Same Dimension

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



69, 33.404, 210.458



85, 43.500, 212.173



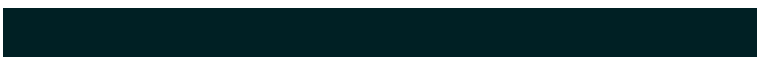
49, 49.054, 280.787



41, 3.661, 208.764



55, 31.933, 214.442



10, 11.774, 210.051

Inverse Universe

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



50, 76.537, 331.271



61, 102.705, 332.024



63, 51.942, 75.832



39, 6.883, 327.853



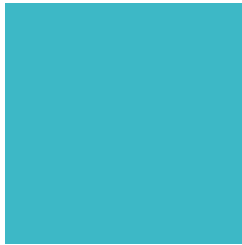
38, 76.442, 332.722



4, 24.482, 330.660

Previews

White Background



This preview shows how the CIELCh color 69, 33.405, 210.459 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, 33.405, 210.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

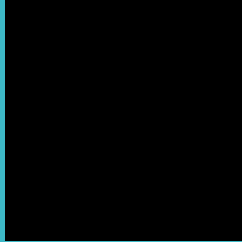
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

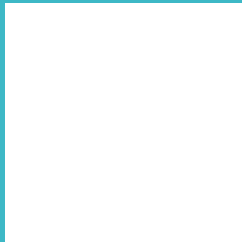
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 33.405, 210.459

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.405, 210.459.



This preview shows how white text looks on a background with the CIELCh color 69, 33.405, 210.459.

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

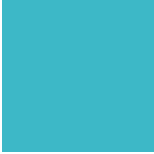
69, 33.405, 210.459

Protanopia

69, 11.018, 287.562

Deuteranopia

69, 21.500, 294.150



Tritanopia
69, 33.404, 211.459

Trichromacy



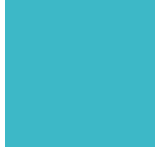
Original Color
69, 33.405, 210.459



Protanomaly
68, 17.600, 230.723



Deuteranomaly
68, 21.094, 250.679



Tritanomaly
69, 33.404, 211.459

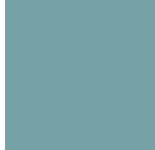
Monochromacy



Original Color
69, 33.405, 210.459



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 15.733, 208.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.405, 210.459 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(61, 184, 198)` looks like.

```
.text, #text, p{  
    color:rgb(61, 184, 198)  
}
```

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(61, 184, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 184, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.405, 210.459 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(61, 184, 198) }
```

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

```
.border{ border-color:rgb(61, 184, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 184, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(61, 184,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.405, 210.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 184, 198) }
```

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

```
.background{ background-color: rgb(61, 184,  
198) }
```

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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