

Converting Colors

CIELCh(69, 45.507, 169.406)

Have a look what the booklet for
CIELCh(69, 45.507, 169.406)
contains.

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Color

CIElCh(69, 45.610, 169.420)

Conversions

Conversions Part 1

Format	Color
Hex	35BD98
RGB	53, 189, 152
RGB Percent	21%, 74%, 60%
CMY	0.7930, 0.2594, 0.4045
CMYK	0.72, 0.00, 0.20, 0.26
HSL	164°, 56%, 47%
HSV	164°, 72%, 74%
XYZ	25.2786, 39.3444, 35.9071
YIQ	144.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

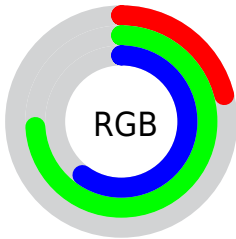
Format	Color
RYB	53, 132, 189
Decimal	3521944
CIELab	69.00, -44.83, 8.37
CIELCh	69, 45.610, 169.420
Yxy	39.3444, 0.2515, 0.3914
Android (android.graphics.Color)	4281712024 (0xFF35BD98)
YUV	144.1180, 3.8858, -79.9105
Hunter-Lab	62.7251, -37.8324, 9.9669

Details

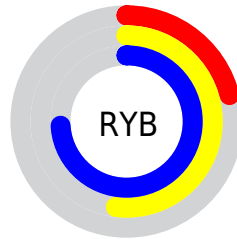
The CIELCh color **69, 45.610, 169.420** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **44, 57.240, 10.724**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 45.687, 169.322**, and **50, 41.082, 166.487** is the 20% darker color. If you saturate the color by 10%, you get **69, 49.394, 167.680**, and if you desaturate by 10%, it is **70, 41.036, 170.979**.

Distribution



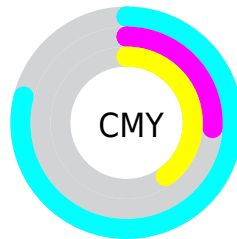
- Red (21%)
- Green (74%)
- Blue (60%)



- Red (21%)
- Yellow (52%)
- Blue (74%)



- Cyan (72%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)





- Cyan (79%)
- Magenta (26%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 45.610, 169.420 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, 45.610, 169.420 by changing the saturation by 10% instead.


 69, 45.610,
169.420


 69, 45.610,
169.420


 100, 45.610,
169.420


 59, 45.610,
169.420


 89, 45.610,
169.420

 49, 45.610,
169.420

 99, 45.610,
169.420

 39, 45.610,
169.420

 29, 45.610,
169.420

 19, 45.610,
169.420

 9, 45.610, 169.420

 0, 45.610, 169.420

■ 69, 45.610,
169.420

■ 69, 45.610,
169.420

■ 69, 49.394,
167.680

■ 70, 41.036,
170.979

■ 68, 52.410,
165.748

■ 70, 35.714,
172.380

■ 68, 54.418,
164.131

■ 71, 29.729,
173.647

■ 72, 23.197,
174.804

■ 73, 16.241,
175.873

■ 75, 8.982, 176.882

■ 76, 1.533, 178.058

■ 78, 6.013, 358.548

■ 80, 13.579,
359.418

Harmonies

Complementary

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



69, 45.610, 169.420



44, 57.240, 10.724

Rectangle

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



69, 45.610, 169.420



69, 45.610, 219.420



69, 45.610, 349.420



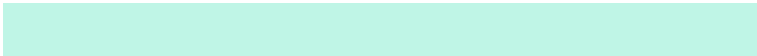
69, 45.610, 39.420

Sweetspot

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



69, 45.610, 169.419



93, 20.002, 175.841



69, 77.379, 132.732



49, 13.377, 175.559



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, 45.610, 169.419



87, 62.086, 166.673



61, 31.370, 229.726



39, 4.234, 177.151



58, 47.493, 164.439



9, 13.919, 170.223

Inverse Universe

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



44, 57.240, 10.724



53, 79.869, 17.125



48, 55.818, 42.644



37, 4.360, 358.758



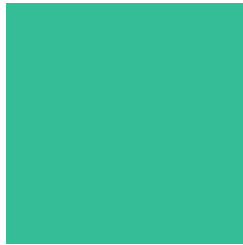
33, 61.950, 22.855



3, 12.746, 4.144

Previews

White Background



This preview shows how the CIE LCh color 69, 45.610, 169.420 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, 45.610, 169.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

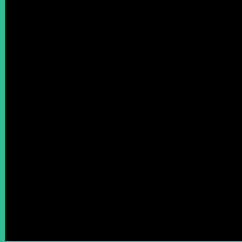
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 45.610, 169.420

Background



This preview shows how black text looks on a background with the CIELCh color 69, 45.610, 169.420.

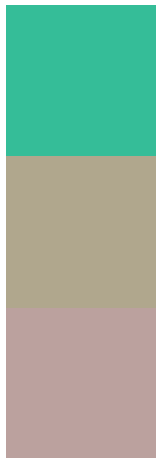


This preview shows how white text looks on a background with the CIELCh color 69, 45.610, 169.420.

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, 45.610, 169.420

Protanopia

69, 14.670, 94.375

Deuteranopia

68, 10.360, 29.345



Tritanopia
69, 31.053, 211.665

Trichromacy



Original Color
69, 45.610, 169.420



Protanomaly
68, 23.530, 153.075



Deuteranomaly
67, 14.929, 164.480

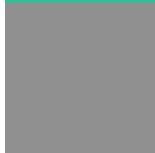


Tritanomaly
69, 34.185, 193.017

Monochromacy



Original Color
69, 45.610, 169.420



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 19.351, 175.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 45.610, 169.420 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(53, 189, 152)` looks like.

```
.text, #text, p{  
    color:rgb(53, 189, 152)  
}
```

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(53, 189, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 189, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 45.610, 169.420 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(53, 189, 152) }
```

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

```
.border{ border-color:rgb(53, 189, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 189, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 189, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 189, 152);  
box-shadow:4px 4px 4px 4px rgb(53, 189,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 45.610, 169.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 189, 152) }
```

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

```
.background{ background-color: rgb(53, 189,  
152) }
```

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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