

Converting Colors

CIELCh(69, 42.358, 175.491)

Have a look what the booklet for
CIELCh(69, 42.358, 175.491)
contains.

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Color

CIELCh(69, 42.268, 175.488)

Conversions

Conversions Part 1

Format	Color
Hex	35BCA1
RGB	53, 188, 161
RGB Percent	21%, 74%, 63%
CMY	0.7916, 0.2624, 0.3683
CMYK	0.72, 0.00, 0.14, 0.26
HSL	168°, 56%, 47%
HSV	168°, 72%, 74%
XYZ	25.9201, 39.3444, 39.9890
YIQ	144.5570, -71.7930, -37.0170

Conversions

Conversions Part 2

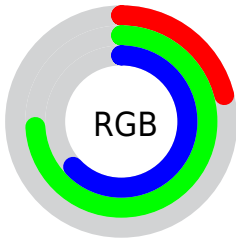
Format	Color
RYB	53, 128, 188
Decimal	3521697
CIELab	69.00, -42.14, 3.33
CIELCh	69, 42.268, 175.488
Yxy	39.3444, 0.2463, 0.3738
Android (android.graphics.Color)	4281711777 (0xFF35BCA1)
YUV	144.5570, 8.1064, -80.2955
Hunter-Lab	62.7251, -36.0067, 6.1085

Details

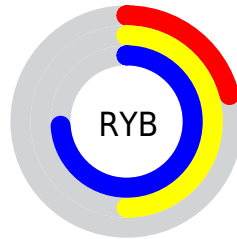
The CIELCh color **69, 42.268, 175.488** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **44, 57.468, 16.349**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 42.312, 175.674**, and **50, 37.323, 173.515** is the 20% darker color. If you saturate the color by 10%, you get **69, 45.478, 173.968**, and if you desaturate by 10%, it is **70, 38.248, 176.857**.

Distribution



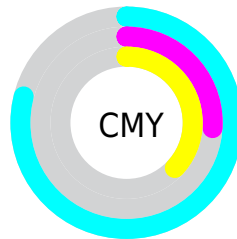
- Red (21%)
- Green (74%)
- Blue (63%)



- Red (21%)
- Yellow (50%)
- Blue (74%)



- Cyan (72%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)



- Cyan (79%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 42.268, 175.488 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, 42.268, 175.488 by changing the saturation by 10% instead.

 69, 42.268,
175.488

 69, 42.268,
175.488

 100, 42.268,
175.488

 59, 42.268,
175.488

 89, 42.268,
175.488

 49, 42.268,
175.488

 99, 42.268,
175.488

 39, 42.268,
175.488

 29, 42.268,
175.488

 19, 42.268,
175.488

 9, 42.268, 175.488

 0, 42.268, 175.488

■ 69, 42.268,
175.488

■ 69, 42.268,
175.488

■ 69, 45.478,
173.968

■ 70, 38.248,
176.857

■ 68, 47.905,
172.283

■ 70, 33.452,
178.102

■ 68, 49.482,
170.810

■ 71, 27.959,
179.244

■ 72, 21.876,
180.303

■ 73, 15.321,
181.300

■ 75, 8.414, 182.259

■ 76, 1.264, 183.475

■ 78, 6.032, 3.860

Harmonies

Complementary

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



69, 42.268, 175.488



44, 57.468, 16.349

Rectangle

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



69, 42.268, 175.488



69, 42.268, 225.488



69, 42.268, 355.488



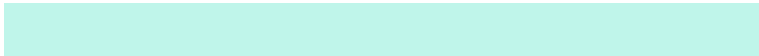
69, 42.268, 45.488

Sweetspot

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



69, 42.268, 175.487



93, 19.174, 181.240



68, 78.285, 134.278



49, 12.808, 180.975



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, 42.268, 175.487



87, 57.210, 173.036



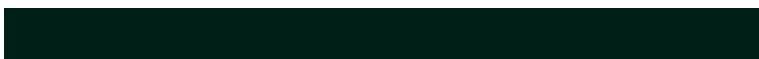
58, 31.919, 241.170



39, 4.082, 182.490



58, 43.370, 171.074



9, 13.145, 176.313

Inverse Universe

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



44, 57.468, 16.349



53, 82.163, 23.086



50, 53.548, 47.481



37, 4.234, 4.042



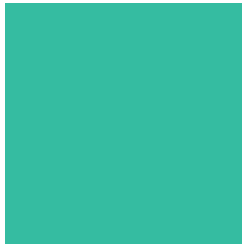
33, 64.614, 28.730



3, 12.530, 8.041

Previews

White Background



This preview shows how the CIELCh color 69, 42.268, 175.488 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, 42.268, 175.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

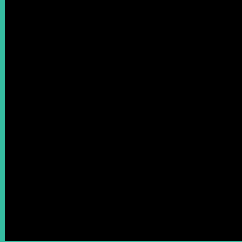
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

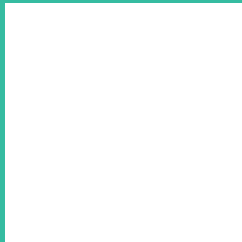
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 42.268, 175.488

Background



This preview shows how black text looks on a background with the CIELCh color 69, 42.268, 175.488.

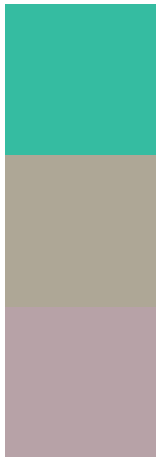


This preview shows how white text looks on a background with the CIELCh color 69, 42.268, 175.488.

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](#).

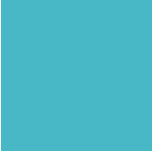
Dichromacy



Original Color
69, 42.268, 175.488

Protanopia
69, 9.698, 92.635

Deuteranopia
69, 8.528, 1.433



Tritanopia
69, 31.568, 212.449

Trichromacy



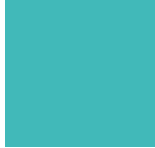
Original Color
69, 42.268, 175.488



Protanomaly
68, 20.380, 163.150



Deuteranomaly
67, 13.185, 183.708



Tritanomaly
69, 33.943, 196.785

Monochromacy



Original Color
69, 42.268, 175.488



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 18.594, 180.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 42.268, 175.488 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, 188, 161)` looks like.

```
.text, #text, p{  
    color:rgb(53, 188, 161)  
}
```

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, 188, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 188, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 42.268, 175.488 is called "border". The border property can be set on classes, ids or directly on the HTML element.

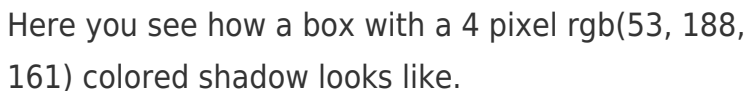
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 188, 161) }
```

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

```
.border{ border-color:rgb(53, 188, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(53, 188, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(53, 188, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(53, 188, 161); box-shadow:4px 4px 4px 4px rgb(53, 188, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 42.268, 175.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 188, 161) }
```

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

```
.background{ background-color: rgb(53, 188,  
161) }
```

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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