

Converting Colors

CIELCh(70, 34.357, 218.496)

Have a look what the booklet for
CIELCh(70, 34.357, 218.496)
contains.

CIELCh(70, 34.318, 218.934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 34.318, 218.934)

Conversions

Conversions Part 1

Format	Color
Hex	3BBAD1
RGB	59, 186, 209
RGB Percent	23%, 73%, 82%
CMY	0.7675, 0.2698, 0.1796
CMYK	0.72, 0.11, 0.00, 0.18
HSL	189°, 62%, 53%
HSV	189°, 72%, 82%
XYZ	30.9516, 40.7494, 66.6817
YIQ	150.6490, -83.0750, -19.7710

Conversions

Conversions Part 2

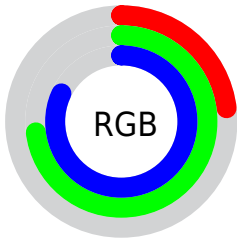
Format	Color
R _Y B	59, 128, 209
Decimal	3914449
CIE Lab	70.00, -26.69, -21.57
CIE LCh	70, 34.318, 218.934
Yxy	40.7494, 0.2237, 0.2945
Android (android.graphics.Color)	4282104529 (0xFF3BBAD1)
YUV	150.6490, 28.7670, -80.3762
Hunter-Lab	63.8353, -25.1629, -17.2490

Details

The CIELCh color **70, 34.318, 218.934** 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 **52, 62.484, 38.609**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 33.767, 209.059**, and **51, 30.074, 223.885** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.103, 220.872**, and if you desaturate by 10%, it is **71, 31.687, 217.434**.

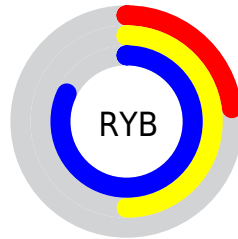
Distribution



Red (23%)

Green (73%)

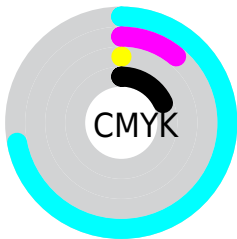
Blue (82%)



Red (23%)

Yellow (50%)

Blue (82%)

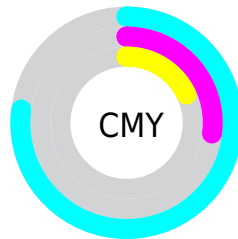


Cyan (72%)

Magenta (11%)

Yellow (0%)

Black (18%)



Cyan (77%)


Magenta (27%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 34.318, 218.934 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 70, 34.318, 218.934 by changing the saturation by 10% instead.


 70, 34.318,
218.934


 70, 34.318,
218.934


 100, 34.318,
218.934


 60, 34.318,
218.934


 90, 34.318,
218.934


 50, 34.318,
218.934

 40, 34.318,
218.934

 30, 34.318,
218.934

 20, 34.318,
218.934

 10, 34.318,
218.934

 0, 34.318, 218.934

70, 34.318,
218.934

70, 34.318,
218.934

69, 36.103,
220.872

71, 31.687,
217.434

67, 37.105,
223.310

73, 28.220,
216.308

67, 37.517,
225.679

75, 23.974,
215.491

77, 19.035,
214.926

79, 13.507,
214.567

81, 7.494, 214.389

84, 1.095, 214.747

86, 5.601, 34.133

Harmonies

Complementary

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



70, 34.318, 218.934



52, 62.484, 38.609

Rectangle

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



70, 34.318, 218.934



70, 34.318, 268.934



70, 34.318, 38.934



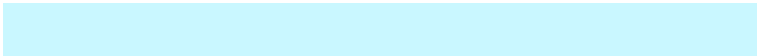
70, 34.318, 88.934

Sweetspot

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



70, 34.317, 218.933



94, 15.399, 214.556



74, 81.860, 141.514



50, 10.324, 214.636



0, 0.000, 0.000



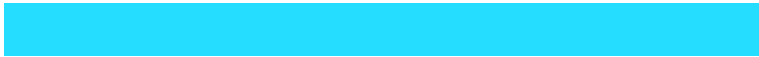
53, 0.007, 296.813

Same Dimension

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



70, 34.317, 218.933



82, 42.641, 222.104



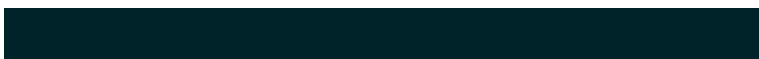
48, 57.579, 285.640



43, 3.667, 214.377



54, 31.918, 225.176



12, 12.323, 218.884

Inverse Universe

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



52, 78.941, 333.478



60, 100.188, 334.532



68, 57.175, 79.796



41, 6.920, 329.490



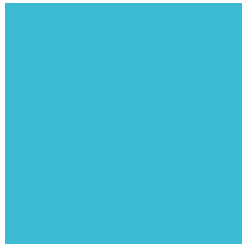
38, 75.154, 335.395



5, 27.643, 333.536

Previews

White Background



This preview shows how the CIELCh color 70, 34.318, 218.934 looks on a white background.

Color Contrast Check

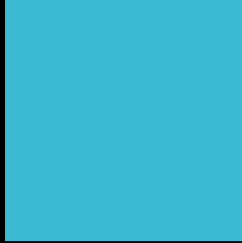
Large Text (above 18pt) WCAG AA × Fail

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 70, 34.318, 218.934 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 70, 34.318, 218.934

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.318, 218.934.



This preview shows how white text looks on a background with the CIELCh color 70, 34.318, 218.934.

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

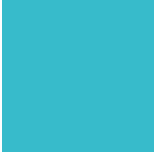
70, 34.318, 218.934

Protanopia

69, 15.931, 287.993

Deuteranopia

70, 25.784, 290.490



Tritanopia
70, 34.724, 211.752

Trichromacy



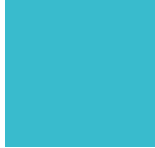
Original Color
70, 34.318, 218.934



Protanomaly
69, 20.582, 242.762



Deuteranomaly
69, 25.069, 255.582



Tritanomaly
70, 34.506, 213.811

Monochromacy



Original Color
70, 34.318, 218.934



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 16.196, 214.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.318, 218.934 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(59, 186, 209)` looks like.

```
.text, #text, p{  
    color:rgb(59, 186, 209)  
}
```

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(59, 186, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 186, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.318, 218.934 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(59, 186, 209) }
```

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

```
.border{ border-color:rgb(59, 186, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 186, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 186, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 186, 209);  
box-shadow:4px 4px 4px 4px rgb(59, 186,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.318, 218.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 186, 209) }
```

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

```
.background{ background-color: rgb(59, 186,  
209) }
```

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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