

Converting Colors

CIELCh(70, 29.029, 199.320)

Have a look what the booklet for
CIELCh(70, 29.029, 199.320)
contains.

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Color

CIELCh(70, 29.017, 199.364)

Conversions

Conversions Part 1

Format	Color
Hex	5BBABC
RGB	91, 186, 188
RGB Percent	36%, 73%, 74%
CMY	0.6449, 0.2723, 0.2644
CMYK	0.52, 0.01, 0.00, 0.26
HSL	181°, 42%, 55%
HSV	181°, 52%, 74%
XYZ	30.7683, 40.7494, 53.5786
YIQ	157.8230, -57.2620, -19.5180

Conversions

Conversions Part 2

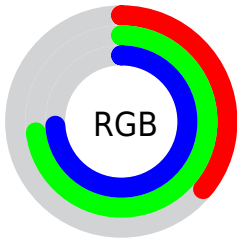
Format	Color
R_{YB}	91, 139, 188
Decimal	6011580
CIE _{Lab}	70.00, -27.38, -9.62
CIE _{LCh}	70, 29.017, 199.364
Yxy	40.7494, 0.2460, 0.3257
Android (android.graphics.Color)	4284201660 (0xFF5BBABC)
YUV	157.8230, 14.8773, -58.6038
Hunter-Lab	63.8353, -25.6756, -5.0790

Details

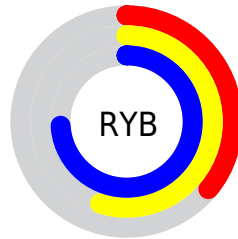
The CIELCh color **70, 29.017, 199.364** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **51, 42.545, 26.672**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 28.771, 199.675**, and **50, 28.855, 200.128** is the 20% darker color. If you saturate the color by 10%, you get **69, 32.577, 199.239**, and if you desaturate by 10%, it is **71, 24.663, 199.574**.

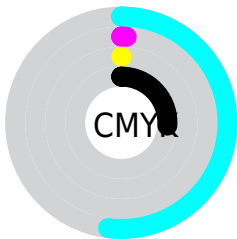
Distribution



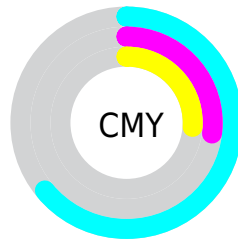
- Red (36%)
- Green (73%)
- Blue (74%)



- Red (36%)
- Yellow (55%)
- Blue (74%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)





- Cyan (64%)
- Magenta (27%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.017, 199.364 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, 29.017, 199.364 by changing the saturation by 10% instead.


 70, 29.017,
199.364


 70, 29.017,
199.364


 100, 29.017,
199.364


 60, 29.017,
199.364


 90, 29.017,
199.364

 50, 29.017,
199.364

 40, 29.017,
199.364

 30, 29.017,
199.364

 20, 29.017,
199.364

 10, 29.017,
199.364

 0, 29.017, 199.364

70, 29.017,
199.364

70, 29.017,
199.364

69, 32.577,
199.239

71, 24.663,
199.574

69, 35.292,
199.212

72, 19.597,
199.867

68, 37.155,
199.285

73, 13.921,
200.235

68, 38.213,
199.459

74, 7.742, 200.680

68, 38.648,
199.660

76, 1.168, 201.528

77, 5.705, 21.486

79, 12.791, 22.068

81, 20.017, 22.635

83, 25.588, 23.177

Harmonies

Complementary

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



70, 29.017, 199.364



51, 42.545, 26.672

Rectangle

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



70, 29.017, 199.364



70, 29.017, 249.364



70, 29.017, 19.364



70, 29.017, 69.364

Sweetspot

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



70, 29.017, 199.362



94, 12.947, 200.467



69, 62.210, 140.623



49, 8.683, 200.377



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 29.017, 199.362



88, 40.275, 199.230



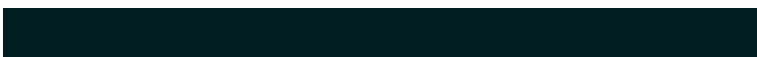
56, 31.120, 267.120



39, 3.783, 200.803



58, 34.070, 199.617



9, 11.340, 199.317

Inverse Universe

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



54, 61.647, 327.704



65, 88.535, 328.174



62, 35.539, 70.626



37, 6.970, 325.484



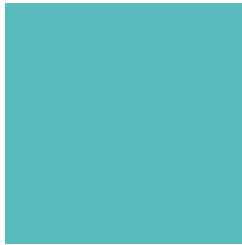
37, 79.570, 329.058



3, 21.062, 326.165

Previews

White Background



This preview shows how the CIE LCh color 70, 29.017, 199.364 looks on a white background.

Color Contrast Check

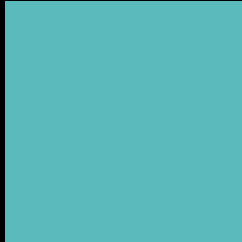
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 29.017, 199.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

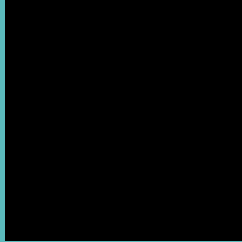
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

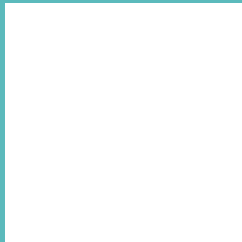
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 29.017, 199.364

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.017, 199.364.

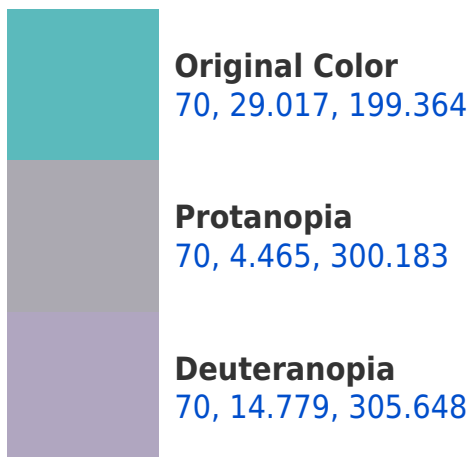


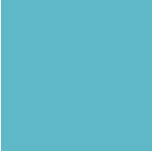
This preview shows how white text looks on a background with the CIELCh color 70, 29.017, 199.364.

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





Tritanopia
70, 27.702, 214.890

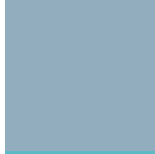
Trichromacy



Original Color
70, 29.017, 199.364



Protanomaly
69, 11.953, 214.608



Deuteranomaly
69, 13.197, 244.079

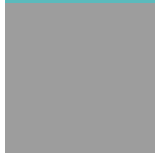


Tritanomaly
70, 27.998, 208.742

Monochromacy



Original Color
70, 29.017, 199.364



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 12.146, 201.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.017, 199.364 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(91, 186, 188)` looks like.

```
.text, #text, p{  
    color:rgb(91, 186, 188)  
}
```

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(91, 186, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 186, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.017, 199.364 is called "border". The border property can be set on classes, ids or directly on the HTML element.

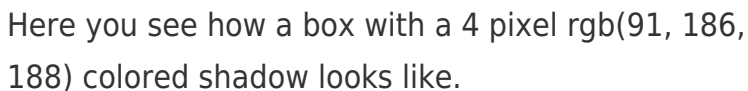
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 186, 188) }
```

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

```
.border{ border-color:rgb(91, 186, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 186, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 186, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 186, 188); box-shadow:4px 4px 4px 4px rgb(91, 186, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.017, 199.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 186, 188) }
```

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

```
.background{ background-color: rgb(91, 186,  
188) }
```

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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