

Converting Colors

CIELCh(70, 26.320, 199.336)

Have a look what the booklet for
CIELCh(70, 26.320, 199.336)
contains.

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Color

CIELCh(70, 26.225, 199.792)

Conversions

Conversions Part 1

Format	Color
Hex	65B8BA
RGB	101, 184, 186
RGB Percent	40%, 72%, 73%
CMY	0.6027, 0.2772, 0.2694
CMYK	0.46, 0.01, 0.00, 0.27
HSL	181°, 38%, 56%
HSV	181°, 46%, 73%
XYZ	31.4999, 40.7494, 52.8277
YIQ	159.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

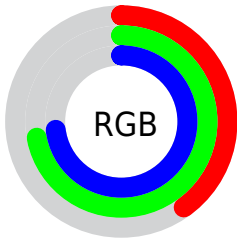
Format	Color
RYB	101, 143, 186
Decimal	6666426
CIELab	70.00, -24.68, -8.88
CIELCh	70, 26.225, 199.792
Yxy	40.7494, 0.2518, 0.3258
Android (android.graphics.Color)	4284856506 (0xFF65B8BA)
YUV	159.4110, 13.1084, -51.2264
Hunter-Lab	63.8353, -23.6299, -4.3815

Details

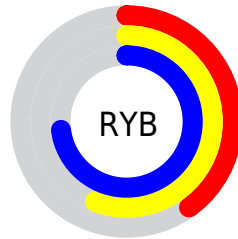
The CIELCh color **70, 26.225, 199.792** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53, 36.535, 25.741**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 26.168, 200.037**, and **50, 26.362, 199.381** is the 20% darker color. If you saturate the color by 10%, you get **69, 30.244, 199.631**, and if you desaturate by 10%, it is **71, 21.465, 200.036**.

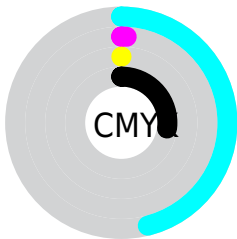
Distribution



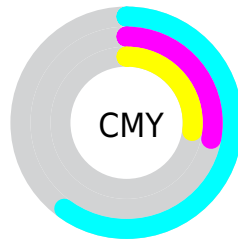
- Red (40%)
- Green (72%)
- Blue (73%)



- Red (40%)
- Yellow (56%)
- Blue (73%)



- Cyan (46%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)





- Cyan (60%)
- Magenta (28%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 26.225, 199.792 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, 26.225, 199.792 by changing the saturation by 10% instead.


 70, 26.225,
199.792


 70, 26.225,
199.792


 100, 26.225,
199.792


 60, 26.225,
199.792


 90, 26.225,
199.792

 50, 26.225,
199.792

 40, 26.225,
199.792

 30, 26.225,
199.792

 20, 26.225,
199.792

 10, 26.225,
199.792

 0, 26.225, 199.792

70, 26.225,
199.792

70, 26.225,
199.792

69, 30.244,
199.631

71, 21.465,
200.036

69, 33.451,
199.568

72, 16.060,
200.361

68, 35.810,
199.607

73, 10.114,
200.762

68, 37.333,
199.753

75, 3.736, 201.287

76, 2.976, 21.448

67, 38.093,
200.004

78, 9.930, 22.084

67, 38.304,
200.130

80, 17.050, 22.643

82, 24.273, 23.205

82, 25.969, 23.715

Harmonies

Complementary

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



70, 26.225, 199.792



53, 36.535, 25.741

Rectangle

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



70, 26.225, 199.792



70, 26.225, 249.792



70, 26.225, 19.792



70, 26.225, 69.792

Sweetspot

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



70, 26.225, 199.790



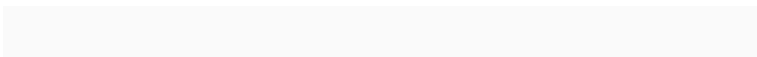
93, 11.266, 200.825



69, 55.119, 141.291



50, 7.792, 200.728



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, 26.225, 199.790



88, 36.956, 199.628



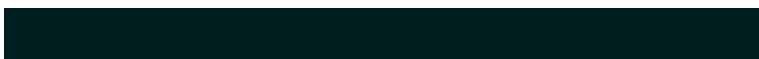
58, 27.402, 265.451



39, 3.772, 201.063



58, 33.939, 200.083



9, 11.296, 199.689

Inverse Universe

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



55, 54.662, 327.503



67, 79.642, 327.974



63, 30.788, 71.430



37, 6.957, 325.563



37, 79.393, 329.176



3, 21.003, 326.267

Previews

White Background



This preview shows how the CIELCh color 70, 26.225, 199.792 looks on a white background.

Color Contrast Check

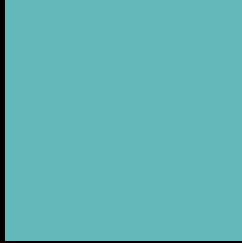
Large Text (above 18pt) WCAG AA × Fail

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, 26.225, 199.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

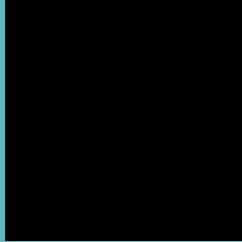
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

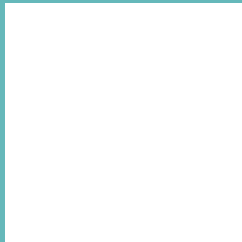
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 26.225, 199.792

Background



This preview shows how black text looks on a background with the CIELCh color 70, 26.225, 199.792.

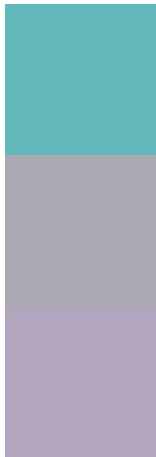


This preview shows how white text looks on a background with the CIELCh color 70, 26.225, 199.792.

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, 26.225, 199.792

Protanopia

70, 4.465, 300.183

Deuteranopia

70, 13.822, 308.189



Tritanopia
70, 25.000, 215.679

Trichromacy



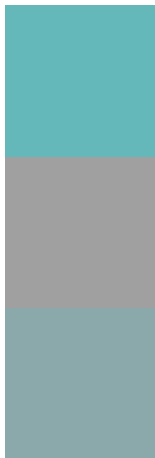
Original Color
70, 26.225, 199.792

Protanomaly
70, 10.569, 213.743

Deuteranomaly
69, 11.925, 246.558

Tritanomaly
70, 25.041, 210.324

Monochromacy



Original Color
70, 26.225, 199.792

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 10.782, 201.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 26.225, 199.792 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(101, 184, 186)` looks like.

```
.text, #text, p{  
    color:rgb(101, 184, 186)  
}
```

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(101, 184, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 184, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 26.225, 199.792 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(101, 184, 186) }
```

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

```
.border{ border-color:rgb(101, 184, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 184, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 184, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 184, 186);  
box-shadow:4px 4px 4px 4px rgb(101, 184,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 26.225, 199.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 184, 186) }
```

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

```
.background{ background-color: rgb(101,  
184, 186) }
```

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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