

Converting Colors

CIELCh(70, 26.104, 221.495)

Have a look what the booklet for
CIELCh(70, 26.104, 221.495)
contains.

CIELCh(70, 26.153, 221.353)	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, 26.153, 221.353)

Conversions

Conversions Part 1

Format	Color
Hex	66B7CA
RGB	102, 183, 202
RGB Percent	40%, 72%, 79%
CMY	0.6016, 0.2839, 0.2094
CMYK	0.50, 0.09, 0.00, 0.21
HSL	191°, 48%, 59%
HSV	191°, 50%, 79%
XYZ	32.8976, 40.7494, 61.7586
YIQ	160.9470, -54.3750, -11.2630

Conversions

Conversions Part 2

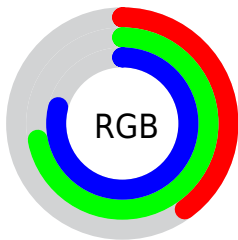
Format	Color
R _{YB}	102, 147, 202
Decimal	6731722
CIE Lab	70.00, -19.63, -17.28
CIE LCh	70, 26.153, 221.353
Yxy	40.7494, 0.2430, 0.3009
Android (android.graphics.Color)	4284921802 (0xFF66B7CA)
YUV	160.9470, 20.2391, -51.6965
Hunter-Lab	63.8353, -19.7215, -12.6765

Details

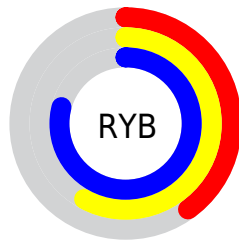
The CIELCh color **70, 26.153, 221.353** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 38.084, 38.954**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 25.663, 217.012**, and **50, 26.192, 221.188** is the 20% darker color. If you saturate the color by 10%, you get **68, 29.697, 222.775**, and if you desaturate by 10%, it is **72, 21.912, 220.284**.

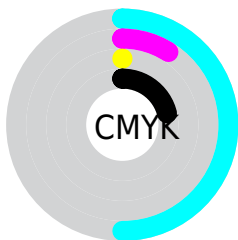
Distribution



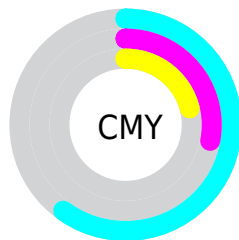
- Red (40%)
- Green (72%)
- Blue (79%)



- Red (40%)
- Yellow (58%)
- Blue (79%)



- Cyan (50%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)





- Cyan (60%)
- Magenta (28%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 26.153, 221.353 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, 26.153, 221.353 by changing the saturation by 10% instead.


 70, 26.153,
221.353


 70, 26.153,
221.353


 100, 26.153,
221.353


 60, 26.153,
221.353


 90, 26.153,
221.353

 50, 26.153,
221.353

 40, 26.153,
221.353

 30, 26.153,
221.353

 20, 26.153,
221.353

 10, 26.153,
221.353

 0, 26.153, 221.353

70, 26.153,
221.353

70, 26.153,
221.353

68, 29.697,
222.775

72, 21.912,
220.284

66, 32.489,
224.634

74, 17.059,
219.506

65, 34.517,
227.008

76, 11.686,
218.964

63, 35.833,
229.968

79, 5.889, 218.633

62, 36.635,
233.468

81, 0.245, 36.065

62, 36.666,
233.608

84, 6.638, 38.093

87, 13.224, 38.091

89, 17.036, 41.071

89, 16.558, 49.028

Harmonies

Complementary

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



70, 26.153, 221.353



59, 38.084, 38.954

Rectangle

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



70, 26.153, 221.353



70, 26.153, 271.353



70, 26.153, 41.353



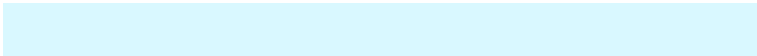
70, 26.153, 91.353

Sweetspot

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



70, 26.152, 221.351



96, 10.961, 218.791



74, 56.618, 145.581



50, 7.432, 218.870



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, 26.152, 221.351



84, 35.904, 222.978



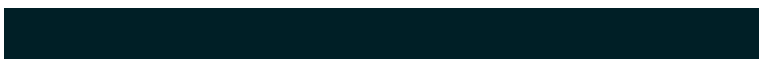
56, 39.680, 281.363



42, 3.513, 218.629



52, 31.672, 233.028



10, 11.754, 224.554

Inverse Universe

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



57, 56.205, 333.423



67, 79.635, 334.232



71, 39.421, 85.938



40, 6.608, 330.727



37, 72.307, 337.457



5, 24.864, 334.895

Previews

White Background



This preview shows how the CIELCh color 70, 26.153, 221.353 looks on a white background.

Color Contrast Check

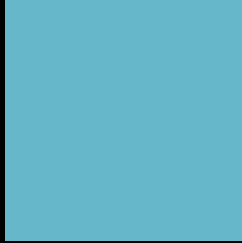
Large Text (above 18pt) WCAG AA × Fail

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, 26.153, 221.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

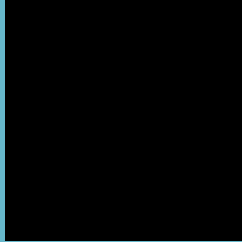
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 26.153, 221.353

Background



This preview shows how black text looks on a background with the CIELCh color 70, 26.153, 221.353.



This preview shows how white text looks on a background with the CIELCh color 70, 26.153, 221.353.

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, 26.153, 221.353

Protanopia

70, 13.185, 286.876

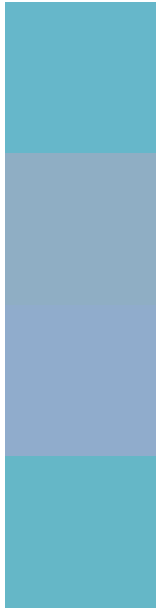
Deuteranopia

70, 21.471, 295.045



Tritanopia
70, 26.198, 216.038

Trichromacy



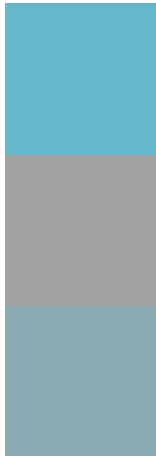
Original Color
70, 26.153, 221.353

Protanomaly
70, 15.687, 249.430

Deuteranomaly
69, 19.539, 263.583

Tritanomaly
70, 26.058, 217.458

Monochromacy



Original Color
70, 26.153, 221.353

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 11.181, 218.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 26.153, 221.353 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(102, 183, 202)` looks like.

```
.text, #text, p{  
    color:rgb(102, 183, 202)  
}
```

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(102, 183, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 183, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 26.153, 221.353 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(102, 183, 202) }
```

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

```
.border{ border-color:rgb(102, 183, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 183, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 183, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 183, 202);  
box-shadow:4px 4px 4px 4px rgb(102, 183,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 26.153, 221.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 183, 202) }
```

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

```
.background{ background-color: rgb(102,  
183, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor