

Converting Colors

CIELCh(65, 22.413, 222.345)

Have a look what the booklet for
CIELCh(65, 22.413, 222.345)
contains.

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Color

CIELCh(65, 22.261, 223.234)

Conversions

Conversions Part 1

Format	Color
Hex	66A7B8
RGB	102, 167, 184
RGB Percent	40%, 65%, 72%
CMY	0.5989, 0.3440, 0.2774
CMYK	0.44, 0.09, 0.00, 0.28
HSL	192°, 37%, 56%
HSV	192°, 44%, 72%
XYZ	28.0573, 34.0472, 50.5887
YIQ	149.5030, -44.1970, -8.4930

Conversions

Conversions Part 2

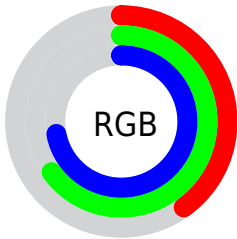
Format	Color
RYB	102, 138, 184
Decimal	6727608
CIELab	65.00, -16.22, -15.25
CIELCh	65, 22.261, 223.234
Yxy	34.0472, 0.2490, 0.3021
Android (android.graphics.Color)	4284917688 (0xFF66A7B8)
YUV	149.5030, 17.0070, -41.6601
Hunter-Lab	58.3500, -16.2816, -10.5588

Details

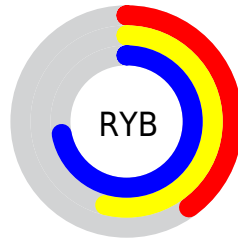
The CIELCh color **65, 22.261, 223.234** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 30.757, 40.254**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 22.248, 223.563**, and **45, 22.319, 223.030** is the 20% darker color. If you saturate the color by 10%, you get **63, 25.925, 224.606**, and if you desaturate by 10%, it is **67, 18.012, 222.197**.

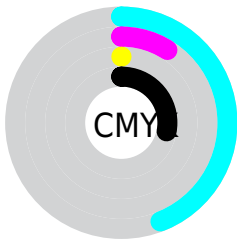
Distribution



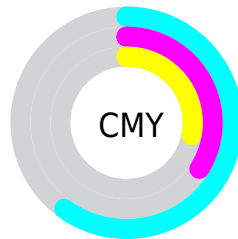
- Red (40%)
- Green (65%)
- Blue (72%)



- Red (40%)
- Yellow (54%)
- Blue (72%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (28%)





- Cyan (60%)
- Magenta (34%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 22.261, 223.234 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 65, 22.261, 223.234 by changing the saturation by 10% instead.


 65, 22.261,
223.234


 65, 22.261,
223.234


 100, 22.261,
223.234


 55, 22.261,
223.234


 85, 22.261,
223.234

 45, 22.261,
223.234

 95, 22.261,
223.234

 35, 22.261,
223.234

 25, 22.261,
223.234

 15, 22.261,
223.234

 5, 22.261, 223.234

 0, 22.261, 223.234

65, 22.261,
223.234

65, 22.261,
223.234

63, 25.925,
224.606

67, 18.012,
222.197

61, 28.942,
226.398

69, 13.258,
221.438

60, 31.280,
228.691

71, 8.085, 220.908

58, 32.957,
231.565

74, 2.573, 220.657

76, 3.205, 40.046

57, 34.061,
235.074

79, 9.183, 39.997

56, 34.559,
237.158

81, 15.311, 39.945

84, 21.542, 39.941

85, 22.899, 43.968

Harmonies

Complementary

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



65, 22.261, 223.234



57, 30.757, 40.254

Rectangle

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



65, 22.261, 223.234



65, 22.261, 273.234



65, 22.261, 43.234



65, 22.261, 93.234

Sweetspot

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



65, 22.261, 223.232



91, 9.007, 220.856



68, 46.957, 146.765



48, 6.261, 220.948



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 22.261, 223.232



80, 31.323, 224.510



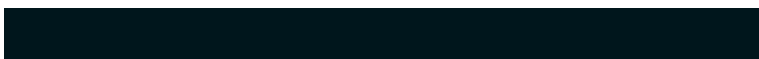
53, 33.639, 281.224



38, 3.192, 220.724



48, 30.446, 236.577



6, 8.527, 230.559

Inverse Universe

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



55, 46.781, 333.724



66, 67.665, 334.411



67, 33.223, 88.010



36, 5.983, 331.335



35, 68.176, 338.440



3, 15.280, 334.294

Previews

White Background



This preview shows how the CIE LCh color 65, 22.261, 223.234 looks on a white background.

Color Contrast Check

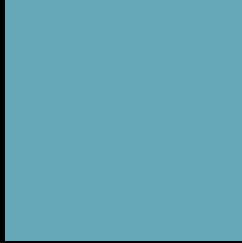
Large Text (above 18pt) WCAG AA × Fail

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 65, 22.261, 223.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

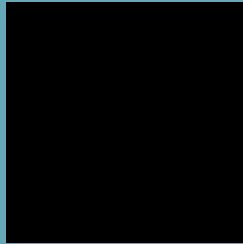
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 22.261, 223.234

Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.261, 223.234.



This preview shows how white text looks on a background with the CIELCh color 65, 22.261, 223.234.

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


65, 22.261, 223.234

Protanopia

65, 11.698, 287.881

Deuteranopia

65, 19.041, 296.404



Tritanopia
65, 22.260, 216.877

Trichromacy



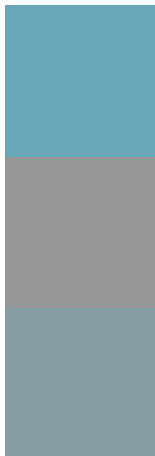
Original Color
65, 22.261, 223.234

Protanomaly
65, 13.861, 252.682

Deuteranomaly
64, 16.932, 266.770

Tritanomaly
65, 22.357, 218.334

Monochromacy



Original Color
65, 22.261, 223.234

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 8.908, 220.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 22.261, 223.234 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, 167, 184)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 184)  
}
```

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, 167, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 22.261, 223.234 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, 167, 184) }
```

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

```
.border{ border-color:rgb(102, 167, 184) }
```

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

Here you see how a box with a 4 pixel rgb(102, 167, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 184);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 22.261, 223.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 184) }
```

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

```
.background{ background-color: rgb(102,  
167, 184) }
```

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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