

Converting Colors

CIELCh(65, 22.937, 219.726)

Have a look what the booklet for
CIELCh(65, 22.937, 219.726)
contains.

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Color

CIELCh(65, 22.938, 219.272)

Conversions

Conversions Part 1

Format	Color
Hex	63A8B7
RGB	99, 168, 183
RGB Percent	39%, 66%, 72%
CMY	0.6120, 0.3414, 0.2826
CMYK	0.46, 0.08, 0.00, 0.28
HSL	191°, 37%, 55%
HSV	191°, 46%, 72%
XYZ	27.6700, 34.0472, 49.8783
YIQ	149.0790, -45.9390, -9.9630

Conversions

Conversions Part 2

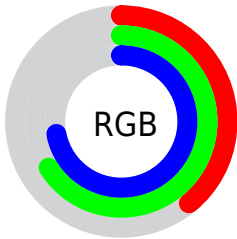
Format	Color
RYB	99, 137, 183
Decimal	6531255
CIELab	65.00, -17.76, -14.52
CIELCh	65, 22.938, 219.272
Yxy	34.0472, 0.2479, 0.3051
Android (android.graphics.Color)	4284721335 (0xFF63A8B7)
YUV	149.0790, 16.7231, -43.9193
Hunter-Lab	58.3500, -17.4663, -9.8369

Details

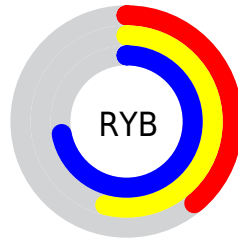
The CIELCh color **65, 22.938, 219.272** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 32.289, 37.735**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 22.969, 219.741**, and **45, 22.979, 218.813** is the 20% darker color. If you saturate the color by 10%, you get **63, 26.476, 220.426**, and if you desaturate by 10%, it is **67, 18.776, 218.421**.

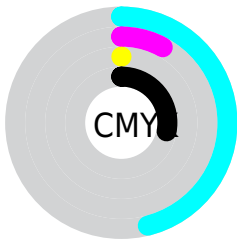
Distribution



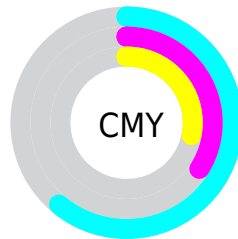
- Red (39%)
- Green (66%)
- Blue (72%)



- Red (39%)
- Yellow (54%)
- Blue (72%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (28%)





- Cyan (61%)
- Magenta (34%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 22.938, 219.272 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, 22.938, 219.272 by changing the saturation by 10% instead.


 65, 22.938,
219.272


 65, 22.938,
219.272


 100, 22.938,
219.272


 55, 22.938,
219.272


 85, 22.938,
219.272

 45, 22.938,
219.272

 95, 22.938,
219.272

 35, 22.938,
219.272

 25, 22.938,
219.272

 15, 22.938,
219.272

 5, 22.938, 219.272

 0, 22.938, 219.272

65, 22.938,
219.272

65, 22.938,
219.272

63, 26.476,
220.426

67, 18.776,
218.421

62, 29.328,
221.957

69, 14.075,
217.821

60, 31.459,
223.938

71, 8.922, 217.429

59, 32.889,
226.443

73, 3.405, 217.262

58, 33.710,
229.517

75, 2.398, 36.757

57, 33.980,
230.847

78, 8.419, 36.862

80, 14.600, 36.911

83, 20.894, 36.999

84, 23.950, 39.184

Harmonies

Complementary

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



65, 22.938, 219.272



55, 32.289, 37.735

Rectangle

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



65, 22.938, 219.272



65, 22.938, 269.272



65, 22.938, 39.272



65, 22.938, 89.272

Sweetspot

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



65, 22.938, 219.270



90, 9.737, 217.382



68, 49.278, 145.532



48, 6.735, 217.443



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, 22.938, 219.270



80, 32.159, 220.425



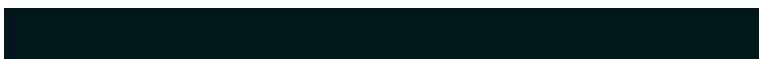
53, 33.054, 279.138



38, 3.242, 217.281



49, 30.132, 230.364



6, 8.598, 225.734

Inverse Universe

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



54, 48.818, 332.709



64, 70.573, 333.392



65, 33.257, 85.137



36, 6.106, 330.326



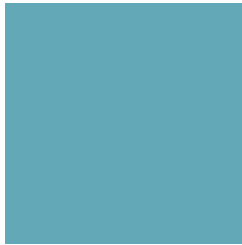
35, 69.642, 336.742



3, 15.708, 332.801

Previews

White Background



This preview shows how the CIE LCh color 65, 22.938, 219.272 looks on a white background.

Color Contrast Check

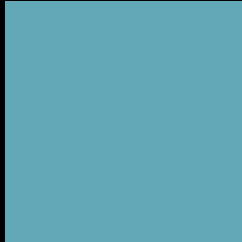
Large Text (above 18pt) WCAG AA × Fail

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 65, 22.938, 219.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

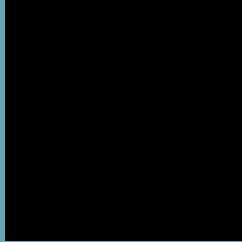
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 22.938, 219.272

Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.938, 219.272.



This preview shows how white text looks on a background with the CIELCh color 65, 22.938, 219.272.

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
65, 22.834, 217.853

Trichromacy



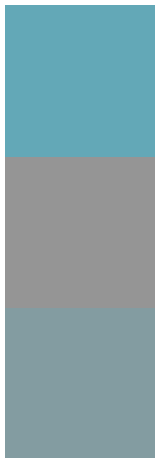
Original Color
65, 22.938, 219.272

Protanomaly
65, 13.260, 248.250

Deuteranomaly
64, 16.441, 265.828

Tritanomaly
65, 22.834, 217.853

Monochromacy



Original Color
65, 22.938, 219.272

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 9.409, 216.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 22.938, 219.272 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(99, 168, 183)` looks like.

```
.text, #text, p{  
    color:rgb(99, 168, 183)  
}
```

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(99, 168, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 168, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 22.938, 219.272 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(99, 168, 183) }
```

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

```
.border{ border-color:rgb(99, 168, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 168, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 168, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 168, 183);  
box-shadow:4px 4px 4px 4px rgb(99, 168,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 22.938, 219.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 168, 183) }
```

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

```
.background{ background-color: rgb(99, 168,  
183) }
```

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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