

Converting Colors

CIELCh(65, 21.170, 206.852)

Have a look what the booklet for
CIELCh(65, 21.170, 206.852)
contains.

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Color

CIELCh(65, 21.170, 206.852)

Conversions

Conversions Part 1

Format	Color
Hex	68A8AE
RGB	104, 168, 174
RGB Percent	41%, 66%, 68%
CMY	0.5918, 0.3408, 0.3173
CMYK	0.40, 0.03, 0.00, 0.32
HSL	185°, 30%, 55%
HSV	185°, 40%, 68%
XYZ	27.3879, 34.0472, 45.2198
YIQ	149.5480, -40.0700, -11.7020

Conversions

Conversions Part 2

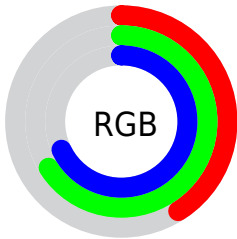
Format	Color
RYB	104, 137, 174
Decimal	6858926
CIELab	65.00, -18.89, -9.56
CIELCh	65, 21.170, 206.852
Yxy	34.0472, 0.2568, 0.3192
Android (android.graphics.Color)	4285049006 (0xFF68A8AE)
YUV	149.5480, 12.0548, -39.9456
Hunter-Lab	58.3500, -18.3293, -5.1033

Details

The CIELCh color **65, 21.170, 206.852** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **53, 28.387, 29.515**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 21.202, 206.652**, and **45, 21.236, 207.004** is the 20% darker color. If you saturate the color by 10%, you get **64, 25.120, 207.063**, and if you desaturate by 10%, it is **66, 16.602, 206.785**.

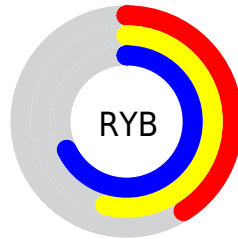
Distribution



Red (41%)

Green (66%)

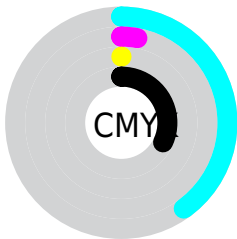
Blue (68%)



Red (41%)

Yellow (54%)

Blue (68%)

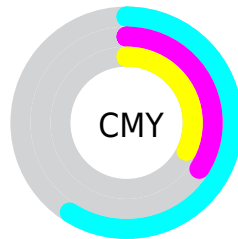


Cyan (40%)

Magenta (3%)

Yellow (0%)

Black (32%)



Cyan (59%)


Magenta (34%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 21.170, 206.852 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, 21.170, 206.852 by changing the saturation by 10% instead.


 65, 21.170,
206.852


 65, 21.170,
206.852


 100, 21.170,
206.852


 55, 21.170,
206.852


 85, 21.170,
206.852

 45, 21.170,
206.852

 95, 21.170,
206.852

 35, 21.170,
206.852

 25, 21.170,
206.852

 15, 21.170,
206.852

 5, 21.170, 206.852

 0, 21.170, 206.852

65, 21.170,
206.852

65, 21.170,
206.852

64, 25.120,
207.063

66, 16.602,
206.785

63, 28.369,
207.453

68, 11.509,
206.848

62, 30.861,
208.050

69, 5.987, 207.035

61, 32.573,
208.884

71, 0.126, 211.177

73, 5.994, 27.376

60, 33.534,
209.985

75, 12.302, 27.749

60, 33.936,
211.286

77, 18.739, 28.127

79, 25.258, 28.520

81, 29.491, 29.304

Harmonies

Complementary

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



65, 21.170, 206.852



53, 28.387, 29.515

Rectangle

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



65, 21.170, 206.852



65, 21.170, 256.852



65, 21.170, 26.852



65, 21.170, 76.852

Sweetspot

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



65, 21.170, 206.849



88, 8.684, 206.985



65, 44.230, 143.682



47, 5.786, 206.958



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 21.170, 206.849



81, 30.016, 207.024



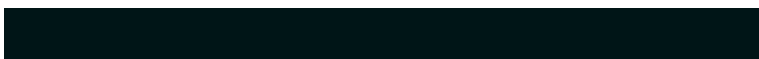
55, 24.860, 270.749



36, 3.317, 207.060



52, 30.506, 211.093



5, 6.965, 210.974

Inverse Universe

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



54, 44.093, 329.121



65, 64.401, 329.595



62, 26.283, 78.624



34, 6.215, 327.342



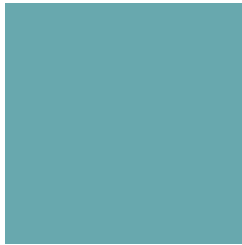
35, 72.970, 331.902



2, 12.728, 327.976

Previews

White Background



This preview shows how the CIE LCh color 65, 21.170, 206.852 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, 21.170, 206.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

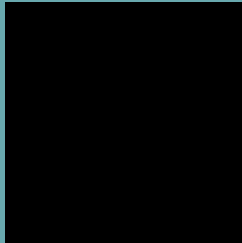
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

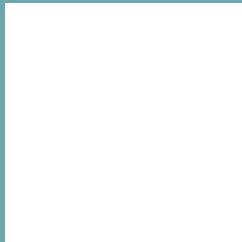
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 21.170, 206.852

Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.170, 206.852.

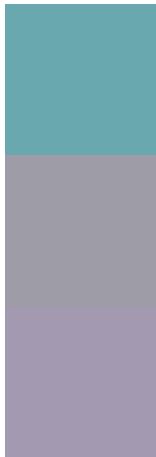


This preview shows how white text looks on a background with the CIELCh color 65, 21.170, 206.852.

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, 21.170, 206.852

Protanopia
65, 6.143, 294.308

Deuteranopia
65, 13.921, 306.776



Tritanopia
65, 20.886, 219.975

Trichromacy



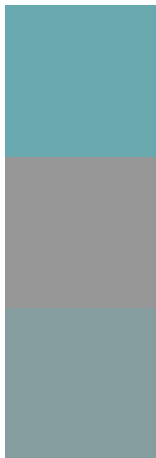
Original Color
65, 21.170, 206.852

Protanomaly
65, 9.516, 234.823

Deuteranomaly
64, 11.373, 261.304

Tritanomaly
65, 20.838, 215.052

Monochromacy



Original Color
65, 21.170, 206.852

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 8.826, 205.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 21.170, 206.852 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(104, 168, 174)` looks like.

```
.text, #text, p{  
    color:rgb(104, 168, 174)  
}
```

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(104, 168, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 168, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 21.170, 206.852 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(104, 168, 174) }
```

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

```
.border{ border-color:rgb(104, 168, 174) }
```

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

Here you see how a box with a 4 pixel rgb(104, 168, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 168, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 168, 174);  
box-shadow:4px 4px 4px 4px rgb(104, 168,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 21.170, 206.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 168, 174) }
```

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

```
.background{ background-color: rgb(104,  
168, 174) }
```

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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