

Converting Colors

CIELCh(65, 15.680, 193.926)

Have a look what the booklet for
CIELCh(65, 15.680, 193.926)
contains.

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Color

CIELCh(65, 15.623, 193.973)

Conversions

Conversions Part 1

Format	Color
Hex	7AA6A4
RGB	122, 166, 164
RGB Percent	48%, 65%, 64%
CMY	0.5219, 0.3494, 0.3572
CMYK	0.27, 0.00, 0.01, 0.35
HSL	177°, 20%, 56%
HSV	177°, 27%, 65%
XYZ	28.3256, 34.0472, 40.1576
YIQ	152.6160, -25.5820, -9.9500

Conversions

Conversions Part 2

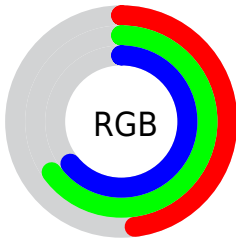
Format	Color
R_{YB}	122, 145, 166
Decimal	8038052
CIE _{Lab}	65.00, -15.16, -3.77
CIE _{LCh}	65, 15.623, 193.973
Yxy	34.0472, 0.2763, 0.3321
Android (android.graphics.Color)	4286228132 (0xFF7AA6A4)
YUV	152.6160, 5.6123, -26.8502
Hunter-Lab	58.3500, -15.4608, 0.0404

Details

The CIELCh color **65, 15.623, 193.973** is a light color, and the websafe version is hex **669999**. A complement of this color would be **56, 18.341, 17.940**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 15.415, 194.425**, and **45, 15.777, 193.266** is the 20% darker color. If you saturate the color by 10%, you get **64, 20.753, 193.356**, and if you desaturate by 10%, it is **66, 10.022, 194.609**.

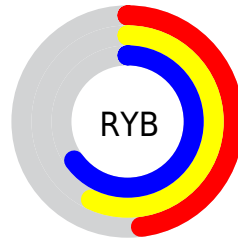
Distribution



Red (48%)

Green (65%)

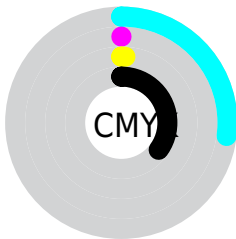
Blue (64%)



Red (48%)

Yellow (57%)

Blue (65%)

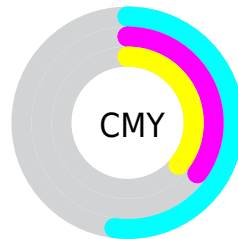


Cyan (27%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (52%)


Magenta (35%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 15.623, 193.973 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, 15.623, 193.973 by changing the saturation by 10% instead.


 65, 15.623,
193.973


 65, 15.623,
193.973


 100, 15.623,
193.973


 55, 15.623,
193.973


 85, 15.623,
193.973

 45, 15.623,
193.973

 95, 15.623,
193.973

 35, 15.623,
193.973

 25, 15.623,
193.973

 15, 15.623,
193.973

 5, 15.623, 193.973

 0, 15.623, 193.973

65, 15.623,
193.973

65, 15.623,
193.973

64, 20.753,
193.356

66, 10.022,
194.609

63, 25.311,
192.765

67, 4.049, 195.318

69, 2.205, 15.637

63, 29.209,
192.190

70, 8.654, 16.460

62, 32.380,
191.626

72, 15.230, 17.151

62, 34.787,
191.064

73, 21.873, 17.831

75, 28.538, 18.504

62, 36.440,
190.493

77, 35.189, 19.169

61, 37.420,
189.903

77, 35.295, 18.554

61, 37.700,

189.698

Harmonies

Complementary

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



65, 15.623, 193.973



56, 18.341, 17.940

Rectangle

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



65, 15.623, 193.973



65, 15.623, 243.973



65, 15.623, 13.973



65, 15.623, 63.973

Sweetspot

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



65, 15.624, 193.969



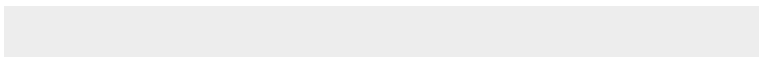
85, 6.155, 195.189



64, 29.409, 141.463



45, 4.395, 195.081



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 15.624, 193.969



82, 22.945, 193.594



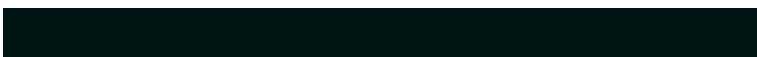
59, 13.795, 253.591



35, 3.535, 195.104



55, 34.636, 189.759



5, 6.608, 194.153

Inverse Universe

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



56, 18.341, 17.940



68, 28.069, 18.712



61, 15.147, 66.817



33, 3.726, 16.221



30, 67.416, 37.522



1, 6.588, 16.149

Previews

White Background



This preview shows how the CIELCh color 65, 15.623, 193.973 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, 15.623, 193.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

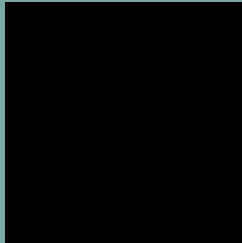
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 15.623, 193.973

Background



This preview shows how black text looks on a background with the CIELCh color 65, 15.623, 193.973.

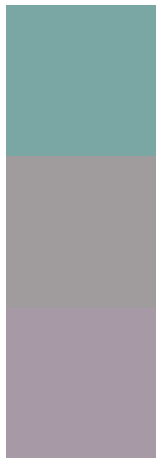


This preview shows how white text looks on a background with the CIELCh color 65, 15.623, 193.973.

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, 15.623, 193.973

Protanopia
65, 1.907, 343.670

Deuteranopia
65, 9.677, 326.756



Tritanopia
65, 14.947, 227.525

Trichromacy



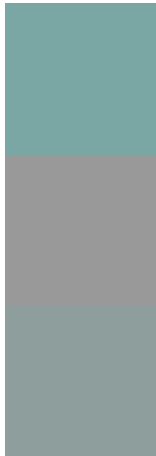
Original Color
65, 15.623, 193.973

Protanomaly
65, 5.224, 199.027

Deuteranomaly
65, 5.105, 260.170

Tritanomaly
65, 14.611, 213.818

Monochromacy



Original Color
65, 15.623, 193.973

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 6.017, 193.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 15.623, 193.973 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(122, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 166, 164)  
}
```

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(122, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 166, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 15.623, 193.973 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(122, 166, 164) }
```

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

```
.border{ border-color:rgb(122, 166, 164) }
```

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

Here you see how a box with a 4 pixel rgb(122, 166, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 166,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 15.623, 193.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 166, 164) }
```

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

```
.background{ background-color: rgb(122,  
166, 164) }
```

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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