

Converting Colors

CIELCh(65, 17.139, 198.483)

Have a look what the booklet for
CIELCh(65, 17.139, 198.483)
contains.

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Color

CIELCh(65, 17.329, 197.951)

Conversions

Conversions Part 1

Format	Color
Hex	75A7A7
RGB	117, 167, 167
RGB Percent	46%, 65%, 65%
CMY	0.5425, 0.3464, 0.3464
CMYK	0.30, 0.00, 0.00, 0.35
HSL	180°, 22%, 56%
HSV	180°, 30%, 65%
XYZ	27.9899, 34.0472, 41.4895
YIQ	152.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

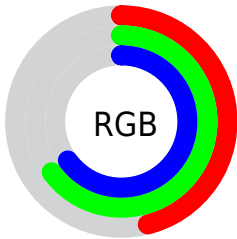
Format	Color
RYB	117, 142, 167
Decimal	7710631
CIELab	65.00, -16.49, -5.34
CIELCh	65, 17.329, 197.951
Yxy	34.0472, 0.2704, 0.3289
Android (android.graphics.Color)	4285900711 (0xFF75A7A7)
YUV	152.0500, 7.3703, -30.7389
Hunter-Lab	58.3500, -16.4878, -1.3130

Details

The CIELCh color `65, 17.329, 197.951` is a light color, and the websafe version is hex `669999`. A complement of this color would be `54, 21.192, 21.847`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 17.158, 198.247`, and `45, 17.330, 197.498` is the 20% darker color. If you saturate the color by 10%, you get `64, 22.160, 197.540`, and if you desaturate by 10%, it is `66, 11.960, 198.412`.

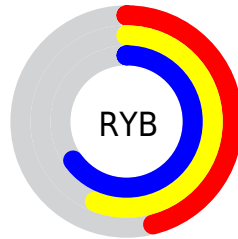
Distribution



Red (46%)

Green (65%)

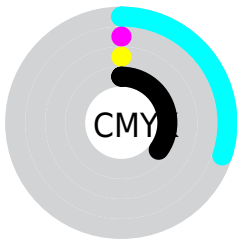
Blue (65%)



Red (46%)

Yellow (56%)

Blue (65%)

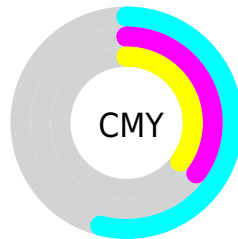


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 17.329, 197.951 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, 17.329, 197.951 by changing the saturation by 10% instead.


 65, 17.329,
197.951


 65, 17.329,
197.951


 100, 17.329,
197.951


 55, 17.329,
197.951


 85, 17.329,
197.951

 45, 17.329,
197.951

 95, 17.329,
197.951

 35, 17.329,
197.951

 25, 17.329,
197.951

 15, 17.329,
197.951

 5, 17.329, 197.951

 0, 17.329, 197.951

65, 17.329,
197.951

65, 17.329,
197.951

64, 22.160,
197.540

66, 11.960,
198.412

63, 26.360,
197.194

67, 6.151, 198.948

63, 29.852,
196.910

68, 0.009, 307.551

70, 6.412, 19.895

62, 32.586,
196.691

71, 13.000, 20.521

62, 34.548,
196.535

73, 19.702, 21.137

75, 26.465, 21.756

62, 35.771,
196.438

76, 33.246, 22.377

62, 36.448,
196.385

77, 35.283, 22.563

62, 36.448,

Harmonies

Complementary

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



65, 17.329, 197.951



54, 21.192, 21.847

Rectangle

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



65, 17.329, 197.951



65, 17.329, 247.951



65, 17.329, 17.951



65, 17.329, 67.951

Sweetspot

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



65, 17.329, 197.947



85, 6.872, 198.998



64, 33.728, 141.997



45, 4.796, 198.914



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, 17.329, 197.947



82, 25.070, 197.670



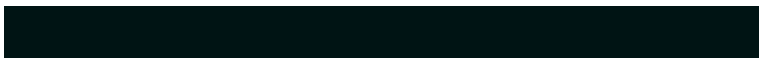
58, 16.067, 258.152



35, 3.516, 198.990



55, 33.388, 196.385



5, 6.572, 199.420

Inverse Universe

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



54, 21.192, 21.847



66, 32.253, 22.710



60, 17.580, 70.004



33, 3.724, 19.905



30, 69.026, 39.359



1, 6.572, 19.404

Previews

White Background



This preview shows how the CIE LCh color 65, 17.329, 197.951 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, 17.329, 197.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

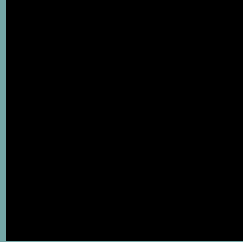
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

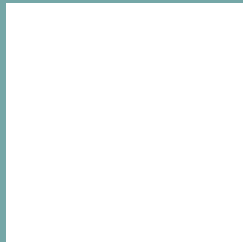
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 17.329, 197.951

Background



This preview shows how black text looks on a background with the CIELCh color 65, 17.329, 197.951.

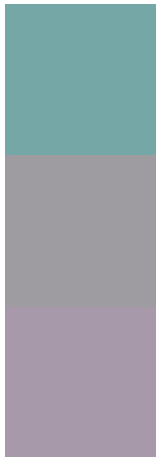


This preview shows how white text looks on a background with the CIELCh color 65, 17.329, 197.951.

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, 17.329, 197.951

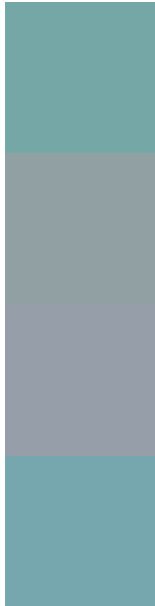
Protanopia
65, 3.025, 312.566

Deuteranopia
65, 10.870, 319.935



Tritanopia
65, 16.841, 223.839

Trichromacy



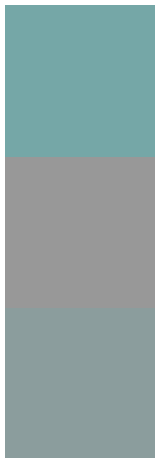
Original Color
65, 17.329, 197.951

Protanomaly
65, 6.099, 214.901

Deuteranomaly
65, 6.885, 262.255

Tritanomaly
65, 16.766, 213.601

Monochromacy



Original Color
65, 17.329, 197.951

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 6.694, 198.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 17.329, 197.951 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(117, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 167)  
}
```

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(117, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 17.329, 197.951 is called "border". The border property can be set on classes, ids or directly on the HTML element.

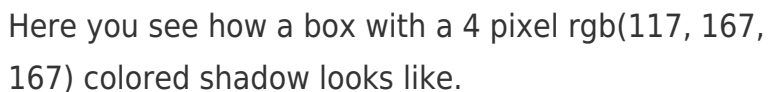
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 167, 167) }
```

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

```
.border{ border-color:rgb(117, 167, 167) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 167, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 167, 167); box-shadow:4px 4px 4px 4px rgb(117, 167, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 17.329, 197.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 167) }
```

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

```
.background{ background-color: rgb(117,  
167, 167) }
```

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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