

Converting Colors

CIELCh(65, 6.580, 5.825)

Have a look what the booklet for
CIELCh(65, 6.580, 5.825) contains.

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Color

CIELCh(65, 6.431, 4.999)

Conversions

Conversions Part 1

Format	Color
Hex	AA9A9D
RGB	170, 154, 157
RGB Percent	67%, 60%, 62%
CMY	0.3337, 0.3964, 0.3847
CMYK	0.00, 0.09, 0.08, 0.33
HSL	349°, 9%, 63%
HSV	349°, 9%, 67%
XYZ	34.1751, 34.0472, 36.6271
YIQ	159.1260, 8.5730, 4.3250

Conversions

Conversions Part 2

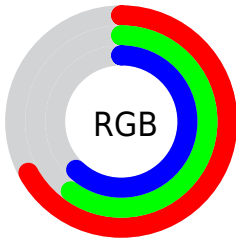
Format	Color
RYB	170, 154, 157
Decimal	11180701
CIELab	65.00, 6.41, 0.56
CIElCh	65, 6.431, 4.999
Yxy	34.0472, 0.3259, 0.3247
Android (android.graphics.Color)	4289370781 (0xFFAA9A9D)
YUV	159.1260, -1.0481, 9.5365
Hunter-Lab	58.3500, 2.4337, 3.6278

Details

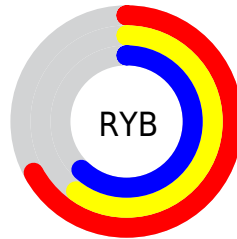
The CIELCh color $65, 6.431, 4.999$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 6.190, 183.479$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 6.574, 1.227$, and $45, 6.519, 4.356$ is the 20% darker color. If you saturate the color by 10%, you get $60, 13.610, 6.113$, and if you desaturate by 10%, it is $70, 0.386, 185.353$.

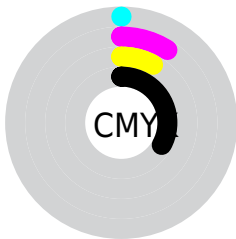
Distribution



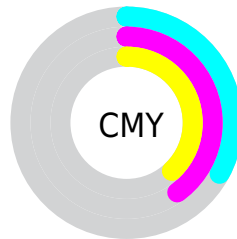
- Red (67%)
- Green (60%)
- Blue (62%)



- Red (67%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (8%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 6.431, 4.999 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, 6.431, 4.999 by changing the saturation by 10% instead.

65, 6.431, 4.999

65, 6.431, 4.999

100, 6.431, 4.999

55, 6.431, 4.999

85, 6.431, 4.999

45, 6.431, 4.999

95, 6.431, 4.999

35, 6.431, 4.999

25, 6.431, 4.999

15, 6.431, 4.999

5, 6.431, 4.999

0, 6.431, 4.999

65, 6.431, 4.999

65, 6.431, 4.999

60, 13.610, 6.113

70, 0.386, 185.353

56, 21.115, 7.399

75, 6.830, 183.457

51, 28.854, 8.955

80, 12.917,
182.738

47, 36.665, 10.878

85, 18.670,
182.119

43, 44.314, 13.292

40, 51.513, 16.341

90, 24.120,
181.569

38, 57.994, 20.155

94, 28.899,
181.764

36, 63.616, 24.766

35, 68.603, 29.755

95, 26.892,
196.163

95, 26.779,
197.766

Harmonies

Complementary

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



65, 6.431, 4.999



68, 6.190, 183.479

Rectangle

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



65, 6.431, 4.999



65, 6.431, 54.999



65, 6.431, 184.999



65, 6.431, 234.999

Sweetspot

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



65, 6.429, 5.010



87, 2.504, 4.267



65, 10.156, 319.202



46, 1.917, 4.384



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 6.429, 5.010



82, 9.378, 5.199



66, 5.101, 50.869



33, 3.834, 4.996



30, 61.857, 29.348



1, 6.771, 6.248

Inverse Universe

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



65, 6.429, 5.010



82, 9.378, 5.199



67, 4.855, 232.343



33, 3.834, 4.996



30, 61.857, 29.348



1, 6.771, 6.248

Previews

White Background



This preview shows how the CIELCh color 65, 6.431, 4.999 looks on a white background.

Color Contrast Check

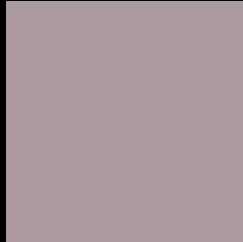
Large Text (above 18pt) WCAG AA × Fail

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, 6.431, 4.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

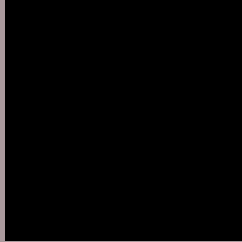
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 6.431, 4.999

Background



This preview shows how black text looks on a background with the CIELCh color 65, 6.431, 4.999.



This preview shows how white text looks on a background with the CIELCh color 65, 6.431, 4.999.

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, 6.431, 4.999

Protanopia

65, 1.611, 335.610

Deuteranopia

65, 8.093, 4.279



Tritanopia
65, 9.597, 336.367

Trichromacy



Original Color

65, 6.431, 4.999

Protanomaly

65, 3.281, 359.831

Deuteranomaly

65, 7.714, 3.430

Tritanomaly

65, 8.548, 344.479

Monochromacy



Original Color

65, 6.431, 4.999

Achromatopsia

65, 0.008, 296.813

Achromatomaly

65, 2.377, 5.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 6.431, 4.999 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(170, 154, 157)` looks like.

```
.text, #text, p{  
    color:rgb(170, 154, 157)  
}
```

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(170, 154, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 154, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 6.431, 4.999 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(170, 154, 157) }
```

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

```
.border{ border-color:rgb(170, 154, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 154, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 154, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 154, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 154,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 6.431, 4.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 154, 157) }
```

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

```
.background{ background-color: rgb(170,  
154, 157) }
```

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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