

Converting Colors

CIELCh(65, 6.804, 20.014)

Have a look what the booklet for
CIELCh(65, 6.804, 20.014) contains.

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Color

CIELCh(65, 6.645, 19.958)

Conversions

Conversions Part 1

Format	Color
Hex	AB9A9A
RGB	171, 154, 154
RGB Percent	67%, 60%, 60%
CMY	0.3299, 0.3965, 0.3965
CMYK	0.00, 0.10, 0.10, 0.33
HSL	0°, 9%, 64%
HSV	0°, 10%, 67%
XYZ	34.1288, 34.0472, 35.2945
YIQ	159.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

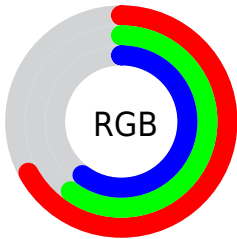
Format	Color
RYB	171, 154, 154
Decimal	11246234
CIELab	65.00, 6.25, 2.27
CIElCh	65, 6.645, 19.958
Yxy	34.0472, 0.3298, 0.3291
Android (android.graphics.Color)	4289436314 (0xFFAB9A9A)
YUV	159.0830, -2.5059, 10.4512
Hunter-Lab	58.3500, 2.2921, 4.9818

Details

The CIELCh color $65, 6.645, 19.958$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 6.245, 198.966$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 6.631, 19.815$, and $45, 6.761, 20.202$ is the 20% darker color. If you saturate the color by 10%, you get $60, 13.849, 20.812$, and if you desaturate by 10%, it is $70, 0.034, 214.050$.

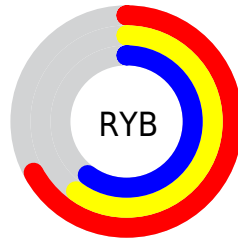
Distribution



Red (67%)

Green (60%)

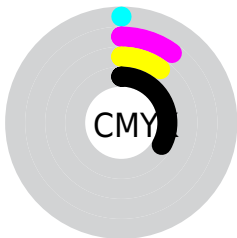
Blue (60%)



Red (67%)

Yellow (60%)

Blue (60%)

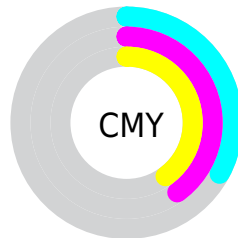


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (33%)



Cyan (33%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 6.645, 19.958 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, 6.645, 19.958 by changing the saturation by 10% instead.

 65, 6.645, 19.958  65, 6.645, 19.958

 100, 6.645, 19.958  55, 6.645, 19.958

 85, 6.645, 19.958  45, 6.645, 19.958

 95, 6.645, 19.958  35, 6.645, 19.958

 25, 6.645, 19.958

 15, 6.645, 19.958

 5, 6.645, 19.958

 0, 6.645, 19.958

 65, 6.645, 19.958  65, 6.645, 19.958

 60, 13.849, 20.812  70, 0.034, 214.050

55, 21.590, 21.861

75, 6.212, 199.011

51, 29.829, 23.219

80, 11.939,
198.582

47, 38.462, 24.986

85, 17.263,
198.256

43, 47.308, 27.268

40, 56.099, 30.137

90, 22.230,
197.995

38, 64.461, 33.526

95, 26.514,
197.783

36, 71.728, 36.995

35, 77.328, 39.886

Harmonies

Complementary

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



65, 6.645, 19.958



69, 6.245, 198.966

Rectangle

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



65, 6.645, 19.958



65, 6.645, 69.958



65, 6.645, 199.958



65, 6.645, 249.958

Sweetspot

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



65, 6.644, 19.972



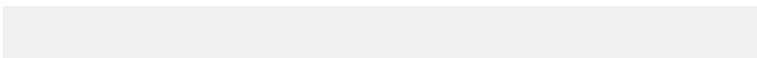
87, 2.413, 19.353



65, 11.447, 324.958



46, 1.849, 19.452



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, 6.644, 19.972



81, 9.998, 20.151



67, 5.722, 74.171



34, 3.817, 19.923



31, 69.980, 39.449



2, 7.800, 19.416

Inverse Universe

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



69, 6.245, 198.966



87, 9.262, 198.835



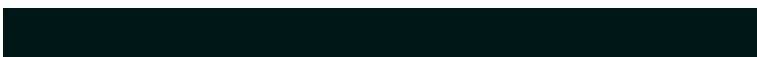
66, 5.591, 256.754



36, 3.603, 199.004



56, 33.800, 196.412



6, 7.799, 199.443

Previews

White Background



This preview shows how the CIELCh color 65, 6.645, 19.958 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, 6.645, 19.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

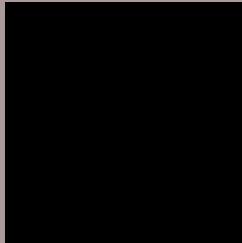
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 6.645, 19.958

Background



This preview shows how black text looks on a background with the CIELCh color 65, 6.645, 19.958.



This preview shows how white text looks on a background with the CIELCh color 65, 6.645, 19.958.

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, 6.645, 19.958

Protanopia

65, 1.629, 39.131

Deuteranopia

65, 8.250, 16.300



Tritanopia
65, 10.171, 339.473

Trichromacy



Original Color
65, 6.645, 19.958

Protanomaly
65, 3.527, 28.615

Deuteranomaly
65, 7.852, 16.062

Tritanomaly
65, 8.311, 352.366

Monochromacy



Original Color
65, 6.645, 19.958

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 2.309, 19.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 6.645, 19.958 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(171, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(171, 154, 154)  
}
```

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(171, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 154, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 6.645, 19.958 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(171, 154, 154) }
```

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

```
.border{ border-color:rgb(171, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(171, 154,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 6.645, 19.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 154, 154) }
```

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

```
.background{ background-color: rgb(171,  
154, 154) }
```

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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