

Converting Colors

CIELCh(65, 13.441, 109.635)

Have a look what the booklet for
CIELCh(65, 13.441, 109.635)
contains.

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Color

CIELCh(65, 13.253, 108.750)

Conversions

Conversions Part 1

Format	Color
Hex	9F9F87
RGB	159, 159, 135
RGB Percent	62%, 62%, 53%
CMY	0.3754, 0.3754, 0.4695
CMYK	0.00, 0.00, 0.15, 0.38
HSL	60°, 11%, 58%
HSV	60°, 15%, 62%
XYZ	31.1907, 34.0472, 27.9488
YIQ	156.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

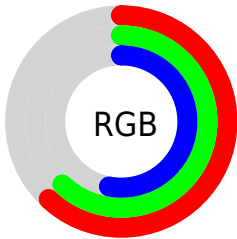
Format	Color
RYB	135, 159, 135
Decimal	10461063
CIELab	65.00, -4.26, 12.55
CIELCh	65, 13.253, 108.750
Yxy	34.0472, 0.3347, 0.3654
Android (android.graphics.Color)	4288651143 (0xFF9F9F87)
YUV	156.2640, -10.4832, 2.3995
Hunter-Lab	58.3500, -6.6962, 12.4459

Details

The CIELCh color $65, 13.253, 108.750$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $57, 13.709, 291.776$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 13.596, 109.005$, and $45, 13.605, 110.084$ is the 20% darker color. If you saturate the color by 10%, you get $65, 21.960, 107.807$, and if you desaturate by 10%, it is $65, 4.466, 109.695$.

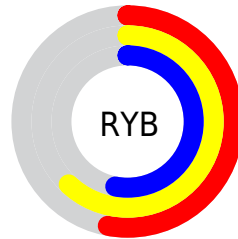
Distribution



Red (62%)

Green (62%)

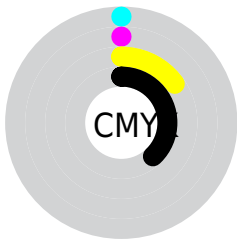
Blue (53%)



Red (53%)

Yellow (62%)

Blue (53%)

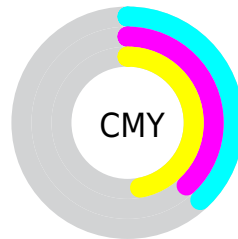


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 13.253, 108.750 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, 13.253, 108.750 by changing the saturation by 10% instead.


 65, 13.253,
108.750


 65, 13.253,
108.750


 100, 13.253,
108.750


 55, 13.253,
108.750


 85, 13.253,
108.750

 45, 13.253,
108.750

 95, 13.253,
108.750

 35, 13.253,
108.750

 25, 13.253,
108.750

 15, 13.253,
108.750

 5, 13.253, 108.750

 0, 13.253, 108.750

■ 65, 13.253,
108.750

■ 65, 13.253,
108.750

■ 65, 21.960,
107.807

■ 65, 4.466, 109.695

■ 64, 30.507,
106.869

■ 66, 4.356, 290.651

■ 64, 38.779,
105.963

■ 66, 13.179,
291.548

■ 64, 46.598,
105.114

■ 67, 21.981,
292.421

■ 64, 53.703,
104.354

■ 67, 30.745,
293.258

■ 64, 59.738,
103.720

■ 68, 39.458,
294.056

■ 64, 64.302,
103.249

■ 69, 48.111,
294.812

■ 64, 67.104,

■ 69, 52.558,
295.187

102.965

■ 69, 52.558,
295.187

■ 64, 68.168,
102.858

Harmonies

Complementary

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



65, 13.253, 108.750



57, 13.709, 291.776

Rectangle

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



65, 13.253, 108.750



65, 13.253, 158.750



65, 13.253, 288.750



65, 13.253, 338.750

Sweetspot

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



65, 13.254, 108.756



83, 5.439, 109.693



59, 9.696, 20.363



44, 3.740, 109.632



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



65, 13.254, 108.756



82, 19.538, 108.446



64, 14.156, 128.412



33, 4.947, 109.307



57, 62.932, 102.858



4, 6.504, 110.181

Inverse Universe

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



57, 13.709, 291.776



71, 20.361, 292.174



58, 14.445, 309.739



30, 5.054, 291.116



15, 86.897, 306.288



0, 6.505, 290.181

Previews

White Background



This preview shows how the CIELCh color 65, 13.253, 108.750 looks on a white background.

Color Contrast Check

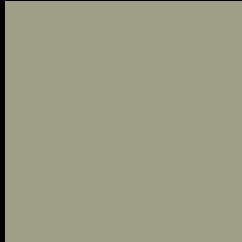
Large Text (above 18pt) WCAG AA × Fail

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, 13.253, 108.750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

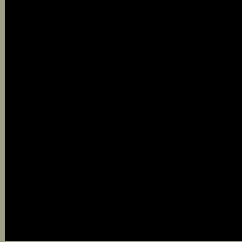
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

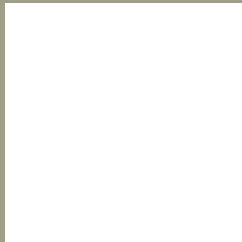
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 13.253, 108.750

Background



This preview shows how black text looks on a background with the CIELCh color 65, 13.253, 108.750.



This preview shows how white text looks on a background with the CIELCh color 65, 13.253, 108.750.

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, 13.253, 108.750

Protanopia

65, 13.236, 92.737

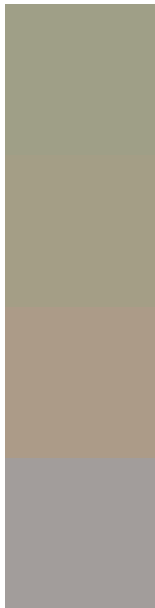
Deuteranopia

65, 14.240, 55.650



Tritanopia
65, 7.524, 317.572

Trichromacy



Original Color
65, 13.253, 108.750

Protanomaly
65, 13.478, 98.333

Deuteranomaly
65, 12.625, 75.746

Tritanomaly
65, 2.215, 49.340

Monochromacy



Original Color
65, 13.253, 108.750

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.982, 109.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 13.253, 108.750 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(159, 159, 135)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 135)  
}
```

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(159, 159, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 13.253, 108.750 is called "border". The border property can be set on classes, ids or directly on the HTML element.

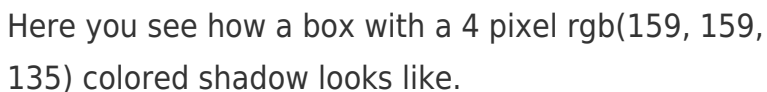
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 159, 135) }
```

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

```
.border{ border-color:rgb(159, 159, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 159, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 159, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 159, 135); box-shadow:4px 4px 4px 4px rgb(159, 159, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 13.253, 108.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 135) }
```

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

```
.background{ background-color: rgb(159,  
159, 135) }
```

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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