

Converting Colors

CIELCh(65, 16.021, 111.968)

Have a look what the booklet for
CIELCh(65, 16.021, 111.968)
contains.

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Color

CIELCh(65, 16.009, 111.365)

Conversions

Conversions Part 1

Format	Color
Hex	9EA083
RGB	158, 160, 131
RGB Percent	62%, 63%, 51%
CMY	0.3804, 0.3726, 0.4863
CMYK	0.01, 0.00, 0.18, 0.37
HSL	64°, 13%, 57%
HSV	64°, 18%, 63%
XYZ	30.7660, 34.0472, 26.4213
YIQ	156.0960, 8.1170, -9.4430

Conversions

Conversions Part 2

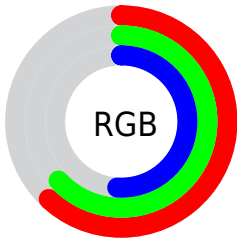
Format	Color
RYB	131, 160, 133
Decimal	10395779
CIELab	65.00, -5.83, 14.91
CIELCh	65, 16.009, 111.365
Yxy	34.0472, 0.3372, 0.3732
Android (android.graphics.Color)	4288585859 (0xFF9EA083)
YUV	156.0960, -12.3723, 1.6698
Hunter-Lab	58.3500, -7.9952, 13.9981

Details

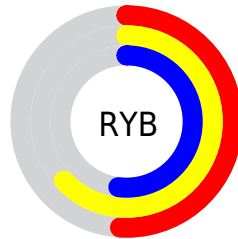
The CIELCh color $65, 16.009, 111.365$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $56, 16.673, 294.628$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 16.212, 111.469$, and $45, 15.975, 112.671$ is the 20% darker color. If you saturate the color by 10%, you get $65, 24.723, 110.523$, and if you desaturate by 10%, it is $65, 7.194, 112.214$.

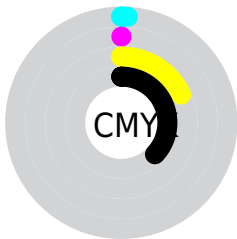
Distribution



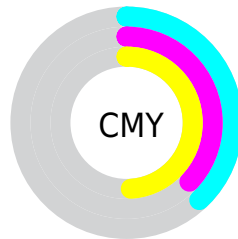
- Red (62%)
- Green (63%)
- Blue (51%)



- Red (51%)
- Yellow (63%)
- Blue (52%)



- Cyan (1%)
- Magenta (0%)
- Yellow (18%)
- Black (37%)





- Cyan (38%)
- Magenta (37%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 16.009, 111.365 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, 16.009, 111.365 by changing the saturation by 10% instead.


 65, 16.009,
111.365


 65, 16.009,
111.365


 100, 16.009,
111.365


 55, 16.009,
111.365


 85, 16.009,
111.365

 45, 16.009,
111.365

 95, 16.009,
111.365

 35, 16.009,
111.365

 25, 16.009,
111.365

 15, 16.009,
111.365

 5, 16.009, 111.365

 0, 16.009, 111.365

65, 16.009,
111.365

65, 16.009,
111.365

65, 24.723,
110.523

65, 7.194, 112.214

64, 33.244,
109.693

66, 1.670, 293.069

64, 41.442,
108.906

67, 10.543,
293.861

64, 49.118,
108.194

67, 19.398,
294.637

63, 55.983,
107.602

68, 28.216,
295.378

63, 61.661,
107.184

68, 36.981,
296.082

63, 65.756,
106.995

69, 45.682,
296.747

63, 68.216,

70, 52.165,
297.309

107.041

■ 70, 52.177,
297.666

■ 63, 68.634,
107.055

Harmonies

Complementary

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



65, 16.009, 111.365



56, 16.673, 294.628

Rectangle

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



65, 16.009, 111.365



65, 16.009, 161.365



65, 16.009, 291.365



65, 16.009, 341.365

Sweetspot

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



65, 16.011, 111.370



84, 5.503, 112.465



58, 11.120, 26.120



44, 3.747, 112.411



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, 16.011, 111.370



83, 24.121, 111.005



64, 17.377, 130.589



33, 4.956, 112.121



57, 63.147, 107.015



4, 6.520, 113.492

Inverse Universe

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



56, 16.673, 294.628



69, 25.381, 295.114



57, 17.739, 312.135



31, 5.062, 293.720



16, 86.505, 306.565



0, 6.516, 292.755

Previews

White Background



This preview shows how the CIELCh color 65, 16.009, 111.365 looks on a white background.

Color Contrast Check

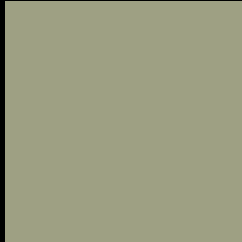
Large Text (above 18pt) WCAG AA × Fail

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, 16.009, 111.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

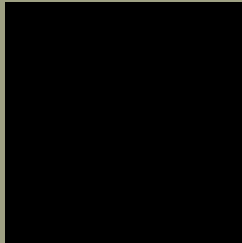
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 16.009, 111.365

Background



This preview shows how black text looks on a background with the CIELCh color 65, 16.009, 111.365.



This preview shows how white text looks on a background with the CIELCh color 65, 16.009, 111.365.

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, 16.009, 111.365

Protanopia

65, 15.482, 93.176

Deuteranopia

65, 16.385, 59.820



Tritanopia
65, 7.360, 314.940

Trichromacy



Original Color
65, 16.009, 111.365

Protanomaly
65, 15.651, 99.477

Deuteranomaly
65, 14.769, 78.699

Tritanomaly
65, 2.256, 66.690

Monochromacy



Original Color
65, 16.009, 111.365

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 5.542, 109.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 16.009, 111.365 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(158, 160, 131)` looks like.

```
.text, #text, p{  
    color:rgb(158, 160, 131)  
}
```

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(158, 160, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 160, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 16.009, 111.365 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(158, 160, 131) }
```

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

```
.border{ border-color:rgb(158, 160, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 160, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 160, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 160, 131);  
box-shadow:4px 4px 4px 4px rgb(158, 160,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 16.009, 111.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 160, 131) }
```

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

```
.background{ background-color: rgb(158,  
160, 131) }
```

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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