

Converting Colors

CIELCh(65, 37.273, 122.047)

Have a look what the booklet for
CIELCh(65, 37.273, 122.047)
contains.

CIELCh(65, 37.115, 122.106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 37.115, 122.106)

Conversions

Conversions Part 1

Format	Color
Hex	8EA664
RGB	142, 166, 100
RGB Percent	56%, 65%, 39%
CMY	0.4423, 0.3481, 0.6070
CMYK	0.14, 0.00, 0.40, 0.35
HSL	82°, 27%, 52%
HSV	82°, 40%, 65%
XYZ	27.1798, 34.0472, 17.2484
YIQ	151.3000, 6.8820, -25.6140

Conversions

Conversions Part 2

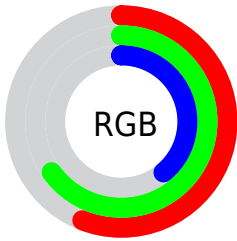
Format	Color
RYB	100, 166, 124
Decimal	9348708
CIELab	65.00, -19.73, 31.44
CIELCh	65, 37.115, 122.106
Yxy	34.0472, 0.3463, 0.4339
Android (android.graphics.Color)	4287538788 (0xFF8EA664)
YUV	151.3000, -25.2909, -8.1561
Hunter-Lab	58.3500, -18.9660, 23.3187

Details

The CIELCh color **65, 37.115, 122.106** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **47, 39.978, 306.638**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 36.877, 121.892**, and **45, 36.958, 122.465** is the 20% darker color. If you saturate the color by 10%, you get **64, 45.944, 121.645**, and if you desaturate by 10%, it is **66, 27.957, 122.623**.

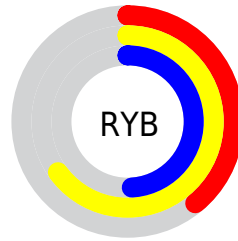
Distribution



Red (56%)

Green (65%)

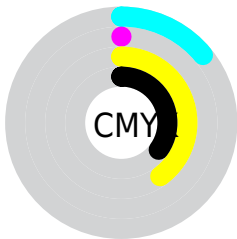
Blue (39%)



Red (39%)

Yellow (65%)

Blue (49%)

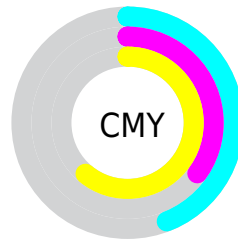


Cyan (14%)

Magenta (0%)

Yellow (40%)

Black (35%)



Cyan (44%)


Magenta (35%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 37.115, 122.106 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, 37.115, 122.106 by changing the saturation by 10% instead.


 65, 37.115,
122.106


 65, 37.115,
122.106


 100, 37.115,
122.106


 55, 37.115,
122.106


 85, 37.115,
122.106


 45, 37.115,
122.106


 95, 37.115,
122.106

 35, 37.115,
122.106

 25, 37.115,
122.106

 15, 37.115,
122.106

 5, 37.115, 122.106

 0, 37.115, 122.106

■ 65, 37.115,
122.106

■ 65, 37.115,
122.106

■ 64, 45.944,
121.645

■ 66, 27.957,
122.623

■ 64, 54.228,
121.290

■ 66, 18.611,
123.155

■ 63, 61.666,
121.120

■ 67, 9.176, 123.684

■ 63, 67.873,
121.242

■ 68, 0.278, 303.960

■ 69, 9.703, 304.655

■ 62, 72.460,
121.767

■ 70, 19.066,
305.105

■ 62, 75.549,
122.659

■ 71, 28.340,
305.520

■ 62, 75.634,
122.683

■ 72, 37.508,
305.901

■ 74, 46.557,
306.249

Harmonies

Complementary

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



65, 37.115, 122.106



47, 39.978, 306.638

Rectangle

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



65, 37.115, 122.106



65, 37.115, 172.106



65, 37.115, 302.106



65, 37.115, 352.106

Sweetspot

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



65, 37.116, 122.108



85, 14.069, 123.553



55, 23.458, 54.675



45, 9.407, 123.487



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, 37.116, 122.108



82, 55.116, 121.680



63, 42.519, 137.956



35, 5.399, 123.706



56, 69.339, 122.532



5, 10.025, 126.997

Inverse Universe

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



47, 39.978, 306.638



55, 60.616, 307.326



51, 43.006, 322.053



33, 5.491, 304.650



20, 85.332, 309.429



1, 9.805, 302.285

Previews

White Background



This preview shows how the CIELCh color 65, 37.115, 122.106 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, 37.115, 122.106 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, 37.115, 122.106

Background



This preview shows how black text looks on a background with the CIELCh color 65, 37.115, 122.106.



This preview shows how white text looks on a background with the CIELCh color 65, 37.115, 122.106.

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](#).

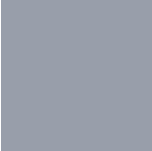
Dichromacy



Original Color
65, 37.115, 122.106

Protanopia
65, 33.460, 95.309

Deuteranopia
65, 30.988, 73.920



Tritanopia
65, 6.982, 272.526

Trichromacy



Original Color
65, 37.115, 122.106

Protanomaly
65, 33.714, 105.793

Deuteranomaly
65, 29.948, 93.611

Tritanomaly
65, 10.246, 138.745

Monochromacy



Original Color
65, 37.115, 122.106

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 13.812, 123.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 37.115, 122.106 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(142, 166, 100)` looks like.

```
.text, #text, p{  
    color:rgb(142, 166, 100)  
}
```

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(142, 166, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 166, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 37.115, 122.106 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(142, 166, 100) }
```

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

```
.border{ border-color:rgb(142, 166, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 166, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 166, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 166, 100);  
box-shadow:4px 4px 4px 4px rgb(142, 166,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 37.115, 122.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 166, 100) }
```

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

```
.background{ background-color: rgb(142,  
166, 100) }
```

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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