

Converting Colors

CIELCh(65, 39.989, 124.687)

Have a look what the booklet for
CIELCh(65, 39.989, 124.687)
contains.

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Color

CIELCh(65, 40.419, 124.799)

Conversions

Conversions Part 1

Format	Color
Hex	89A861
RGB	137, 168, 97
RGB Percent	54%, 66%, 38%
CMY	0.4639, 0.3423, 0.6207
CMYK	0.18, 0.00, 0.42, 0.34
HSL	86°, 29%, 52%
HSV	86°, 42%, 66%
XYZ	26.3611, 34.0472, 16.4243
YIQ	150.6370, 4.3150, -28.6530

Conversions

Conversions Part 2

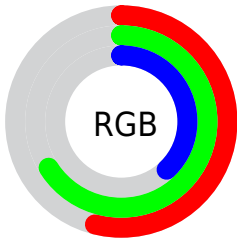
Format	Color
RYB	97, 168, 128
Decimal	9021537
CIELab	65.00, -23.07, 33.19
CIELCh	65, 40.419, 124.799
Yxy	34.0472, 0.3431, 0.4431
Android (android.graphics.Color)	4287211617 (0xFF89A861)
YUV	150.6370, -26.4430, -11.9596
Hunter-Lab	58.3500, -21.4703, 24.1560

Details

The CIELCh color **65, 40.419, 124.799** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **47, 43.340, 309.149**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 40.167, 125.041**, and **45, 40.358, 125.231** is the 20% darker color. If you saturate the color by 10%, you get **64, 49.379, 124.385**, and if you desaturate by 10%, it is **66, 31.087, 125.276**.

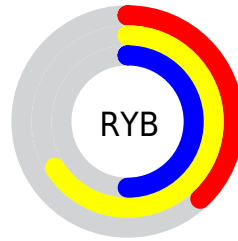
Distribution



Red (54%)

Green (66%)

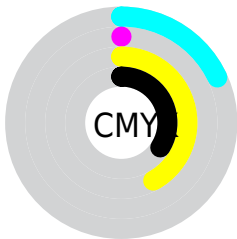
Blue (38%)



Red (38%)

Yellow (66%)

Blue (50%)

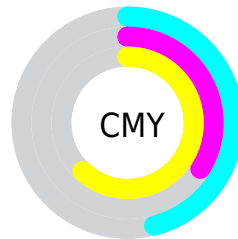


Cyan (18%)

Magenta (0%)

Yellow (42%)

Black (34%)



Cyan (46%)


Magenta (34%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 40.419, 124.799 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, 40.419, 124.799 by changing the saturation by 10% instead.


 65, 40.419,
124.799


 65, 40.419,
124.799


 100, 40.419,
124.799


 55, 40.419,
124.799


 85, 40.419,
124.799

 45, 40.419,
124.799

 95, 40.419,
124.799

 35, 40.419,
124.799

 25, 40.419,
124.799

 15, 40.419,
124.799

 5, 40.419, 124.799

 0, 40.419, 124.799

■ 65, 40.419,
124.799

■ 65, 40.419,
124.799

■ 64, 49.379,
124.385

■ 66, 31.087,
125.276

■ 64, 57.725,
124.091

■ 67, 21.542,
125.772

■ 63, 65.130,
124.010

■ 68, 11.898,
126.263

■ 63, 71.193,
124.256

■ 69, 2.234, 126.761

■ 62, 75.546,
124.943

■ 70, 7.394, 307.151

■ 62, 77.987,
125.676

■ 71, 16.948,
307.563

■ 72, 26.399,
307.937

■ 73, 35.726,
308.276

■ 74, 44.916,
308.583

Harmonies

Complementary

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



65, 40.419, 124.799



47, 43.340, 309.149

Rectangle

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



65, 40.419, 124.799



65, 40.419, 174.799



65, 40.419, 304.799



65, 40.419, 354.799

Sweetspot

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



65, 40.420, 124.801



85, 15.465, 126.219



57, 25.413, 63.312



45, 10.909, 126.114



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, 40.420, 124.801



81, 59.338, 124.400



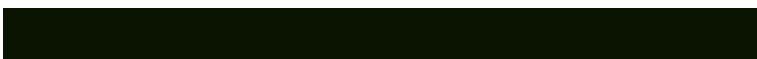
63, 46.724, 139.769



35, 5.477, 126.410



55, 71.005, 125.506



5, 10.176, 129.509

Inverse Universe

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



47, 43.340, 309.149



54, 64.825, 309.741



51, 46.871, 324.679



33, 5.560, 307.257



21, 84.089, 310.749



1, 9.905, 304.618

Previews

White Background



This preview shows how the CIELCh color 65, 40.419, 124.799 looks on a white background.

Color Contrast Check

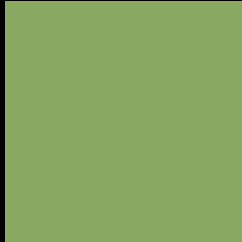
Large Text (above 18pt) WCAG AA × Fail

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, 40.419, 124.799 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, 40.419, 124.799

Background



This preview shows how black text looks on a background with the CIELCh color 65, 40.419, 124.799.



This preview shows how white text looks on a background with the CIELCh color 65, 40.419, 124.799.

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](#).

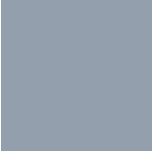
Dichromacy



Original Color
65, 40.419, 124.799

Protanopia
65, 35.524, 95.682

Deuteranopia
65, 32.664, 74.572



Tritanopia
65, 8.338, 259.559

Trichromacy



Original Color
65, 40.419, 124.799

Protanomaly
65, 36.284, 107.628

Deuteranomaly
64, 31.934, 94.949

Tritanomaly
65, 12.010, 146.735

Monochromacy



Original Color
65, 40.419, 124.799

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 14.597, 126.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 40.419, 124.799 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(137, 168, 97)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 97)  
}
```

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(137, 168, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 40.419, 124.799 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(137, 168, 97) }
```

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

```
.border{ border-color:rgb(137, 168, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 97);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 40.419, 124.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 97) }
```

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

```
.background{ background-color: rgb(137,  
168, 97) }
```

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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