

Converting Colors

CIELCh(40, 14.241, 129.708)

Have a look what the booklet for
CIELCh(40, 14.241, 129.708)
contains.

CIELCh(40, 14.317, 129.710)	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(40, 14.317, 129.710)

Conversions

Conversions Part 1

Format	Color
Hex	56624C
RGB	86, 98, 76
RGB Percent	34%, 38%, 30%
CMY	0.6625, 0.6154, 0.7017
CMYK	0.12, 0.00, 0.22, 0.62
HSL	93°, 13%, 34%
HSV	93°, 22%, 38%
XYZ	9.5235, 11.2510, 8.5181
YIQ	91.9040, -0.0900, -9.3860

Conversions

Conversions Part 2

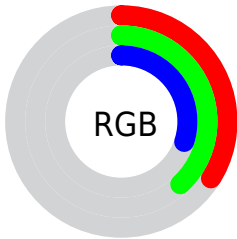
Format	Color
RYB	76, 98, 88
Decimal	5661260
CIELab	40.00, -9.15, 11.01
CIElCh	40, 14.317, 129.710
Yxy	11.2510, 0.3251, 0.3841
Android (android.graphics.Color)	4283851340 (0xFF56624C)
YUV	91.9040, -7.8407, -5.1778
Hunter-Lab	33.5425, -8.0191, 8.4230

Details

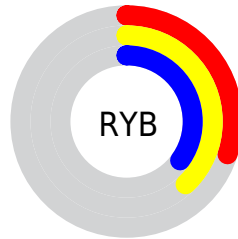
The CIELCh color **40, 14.317, 129.710** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 14.690, 311.579**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 14.473, 129.827**, and **20, 14.449, 129.314** is the 20% darker color. If you saturate the color by 10%, you get **39, 20.664, 129.259**, and if you desaturate by 10%, it is **41, 7.930, 130.150**.

Distribution



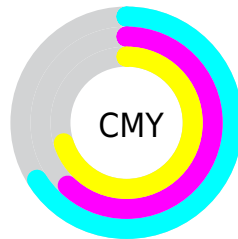
- Red (34%)
- Green (38%)
- Blue (30%)



- Red (30%)
- Yellow (38%)
- Blue (35%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (62%)





- Cyan (66%)
- Magenta (62%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 14.317, 129.710 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 40, 14.317, 129.710 by changing the saturation by 10% instead.


 40, 14.317,
129.710


 40, 14.317,
129.710


 100, 14.317,
129.710


 30, 14.317,
129.710

 60, 14.317,
129.710


 20, 14.317,
129.710


 70, 14.317,
129.710


 10, 14.317,
129.710

 80, 14.317,
129.710

 0, 14.317, 129.710

 90, 14.317,
129.710

 40, 14.317,

 40, 14.317,

129.710

129.710

■ 39, 20.664,
129.259

■ 41, 7.930, 130.150

■ 39, 26.901,
128.808

■ 41, 1.546, 130.599

■ 42, 4.799, 310.906

■ 38, 32.936,
128.389

■ 43, 11.079,
311.258

■ 38, 38.640,
128.049

■ 44, 17.277,
311.569

■ 37, 43.834,
127.859

■ 45, 23.381,
311.847

■ 37, 48.294,
127.915

■ 46, 29.381,
312.095

■ 37, 51.829,
128.294

■ 47, 35.273,
312.315

■ 37, 54.385,
128.483

■ 48, 41.053,

Harmonies

Complementary

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



40, 14.317, 129.710



34, 14.690, 311.579

Rectangle

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



40, 14.317, 129.710



40, 14.317, 179.710



40, 14.317, 309.710



40, 14.317, 359.710

Sweetspot

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



40, 14.318, 129.712



53, 5.529, 130.374



38, 8.576, 76.273



27, 3.562, 130.362



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 14.318, 129.712



51, 21.368, 129.470



39, 16.062, 143.981



20, 3.537, 130.303



42, 59.963, 128.743



85, 105.895, 129.731

Inverse Universe

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



34, 14.690, 311.579



42, 22.064, 311.825



35, 16.075, 326.497



18, 3.577, 310.983



16, 67.165, 313.486



40, 118.102, 312.797

Previews

White Background



This preview shows how the CIE LCh color 40, 14.317, 129.710 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 40, 14.317, 129.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

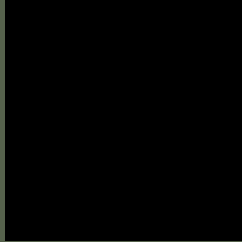
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 14.317, 129.710

Background



This preview shows how black text looks on a background with the CIELCh color 40, 14.317, 129.710.



This preview shows how white text looks on a background with the CIELCh color 40, 14.317, 129.710.

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

40, 14.317, 129.710

Protanopia

40, 12.414, 95.596

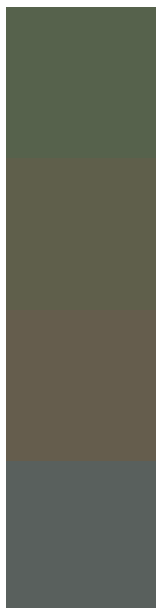
Deuteranopia

40, 11.385, 59.726



Tritanopia
40, 4.675, 265.404

Trichromacy



Original Color
40, 14.317, 129.710

Protanomaly
40, 12.094, 108.288

Deuteranomaly
40, 10.369, 88.292

Tritanomaly
40, 3.459, 167.172

Monochromacy



Original Color
40, 14.317, 129.710

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 5.178, 128.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 14.317, 129.710 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(86, 98, 76)` looks like.

```
.text, #text, p{  
    color:rgb(86, 98, 76)  
}
```

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(86, 98, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 98, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 14.317, 129.710 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(86, 98, 76) }
```

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

```
.border{ border-color:rgb(86, 98, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 98, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 98, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 98, 76);  
box-shadow:4px 4px 4px 4px rgb(86, 98, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 14.317, 129.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 98, 76) }
```

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

```
.background{ background-color: rgb(86, 98,  
76) }
```

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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