

Converting Colors

CIELCh(40, 24.449, 142.317)

Have a look what the booklet for
CIELCh(40, 24.449, 142.317)
contains.

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Color

CIELCh(40, 24.449, 142.317)

Conversions

Conversions Part 1

Format	Color
Hex	456645
RGB	69, 102, 69
RGB Percent	27%, 40%, 27%
CMY	0.7286, 0.5991, 0.7286
CMYK	0.32, 0.00, 0.32, 0.60
HSL	120°, 19%, 34%
HSV	120°, 32%, 40%
XYZ	8.3227, 11.2510, 7.3967
YIQ	88.3710, -9.0750, -17.2590

Conversions

Conversions Part 2

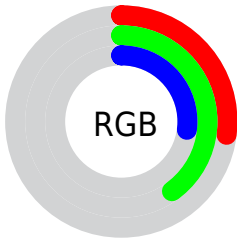
Format	Color
RYB	69, 102, 102
Decimal	4548165
CIELab	40.00, -19.35, 14.95
CIELCh	40, 24.449, 142.317
Yxy	11.2510, 0.3086, 0.4172
Android (android.graphics.Color)	4282738245 (0xFF456645)
YUV	88.3710, -9.5499, -16.9884
Hunter-Lab	33.5425, -14.4091, 10.4052

Details

The CIELCh color $40, 24.449, 142.317$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $34, 24.445, 326.074$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 24.602, 142.251$, and $20, 24.757, 142.035$ is the 20% darker color. If you saturate the color by 10%, you get $39, 31.819, 141.437$, and if you desaturate by 10%, it is $41, 16.895, 143.091$.

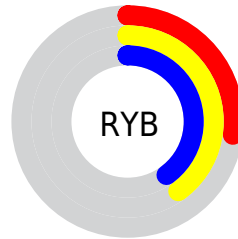
Distribution



Red (27%)

Green (40%)

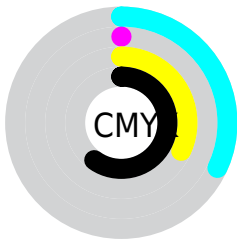
Blue (27%)



Red (27%)

Yellow (40%)

Blue (40%)

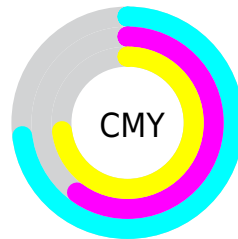


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (60%)



Cyan (73%)


Magenta (60%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.449, 142.317 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, 24.449, 142.317 by changing the saturation by 10% instead.


 40, 24.449,
142.317


 40, 24.449,
142.317


 100, 24.449,
142.317


 30, 24.449,
142.317

 60, 24.449,
142.317


 20, 24.449,
142.317

 70, 24.449,
142.317

 10, 24.449,
142.317

 80, 24.449,
142.317

 0, 24.449, 142.317

 90, 24.449,
142.317

 40, 24.449,

 40, 24.449,

142.317

142.317

■ 39, 31.819,
141.437

■ 41, 16.895,
143.091

■ 39, 38.837,
140.456

■ 42, 9.285, 143.765

■ 38, 45.300,
139.403

■ 43, 1.719, 144.411

■ 44, 5.732, 324.779

■ 38, 50.965,
138.341

■ 46, 13.018,
325.210

■ 37, 55.564,
137.367

■ 47, 20.108,
325.570

■ 37, 58.881,
136.595

■ 48, 26.985,
325.876

■ 37, 61.212,
136.015

■ 50, 33.640,
326.138

■ 52, 40.074,

Harmonies

Complementary

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



40, 24.449, 142.317



34, 24.445, 326.074

Rectangle

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



40, 24.449, 142.317



40, 24.449, 192.317



40, 24.449, 322.317



40, 24.449, 12.317

Sweetspot

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



40, 24.450, 142.317



54, 9.339, 143.890



42, 19.289, 106.540



27, 6.324, 143.829



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 24.450, 142.317



51, 36.400, 141.638



40, 17.071, 159.977



21, 4.222, 143.974



42, 66.436, 136.015



84, 115.215, 136.016

Inverse Universe

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



34, 24.445, 326.074



42, 36.348, 326.450



34, 17.664, 345.531



20, 4.229, 324.872



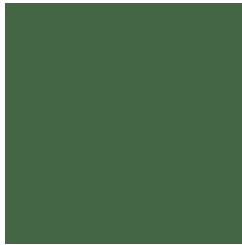
26, 64.101, 328.227



57, 111.165, 328.227

Previews

White Background



This preview shows how the CIELCh color 40, 24.449, 142.317 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 CIELCh color 40, 24.449, 142.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

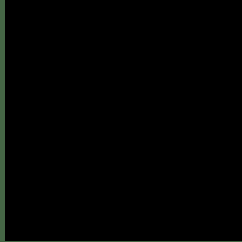
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.449, 142.317

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.449, 142.317.



This preview shows how white text looks on a background with the CIELCh color 40, 24.449, 142.317.

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, 24.449, 142.317

Protanopia

40, 17.212, 96.602

Deuteranopia

40, 14.470, 68.600



Tritanopia
40, 9.272, 226.063

Trichromacy



Original Color
40, 24.449, 142.317

Protanomaly
40, 18.388, 118.780

Deuteranomaly
39, 13.919, 106.111

Tritanomaly
40, 11.611, 173.093

Monochromacy



Original Color
40, 24.449, 142.317

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 8.997, 143.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.449, 142.317 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(69, 102, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 102, 69)  
}
```

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(69, 102, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 102, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.449, 142.317 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(69, 102, 69) }
```

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

```
.border{ border-color:rgb(69, 102, 69) }
```

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

Here you see how a box with a 4 pixel rgb(69, 102, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 102, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 102, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 102,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.449, 142.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 102, 69) }
```

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

```
.background{ background-color: rgb(69, 102,  
69) }
```

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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