

Converting Colors

CIELCh(40, 18.772, 142.875)

Have a look what the booklet for
CIELCh(40, 18.772, 142.875)
contains.

CIELCh(40, 19.319, 142.843)	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, 19.319, 142.843)

Conversions

Conversions Part 1

Format	Color
Hex	4B654B
RGB	75, 101, 75
RGB Percent	29%, 40%, 29%
CMY	0.7068, 0.6049, 0.7068
CMYK	0.26, 0.00, 0.26, 0.60
HSL	120°, 15%, 34%
HSV	120°, 26%, 40%
XYZ	8.7751, 11.2510, 8.3240
YIQ	90.2620, -7.1500, -13.5980

Conversions

Conversions Part 2

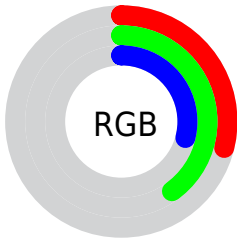
Format	Color
RYB	75, 101, 101
Decimal	4941131
CIELab	40.00, -15.40, 11.67
CIElCh	40, 19.319, 142.843
Yxy	11.2510, 0.3095, 0.3969
Android (android.graphics.Color)	4283131211 (0xFF4B654B)
YUV	90.2620, -7.5242, -13.3848
Hunter-Lab	33.5425, -12.0016, 8.7661

Details

The CIELCh color **40, 19.319, 142.843** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 19.328, 325.756**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 19.315, 143.315**, and **20, 19.157, 142.736** is the 20% darker color. If you saturate the color by 10%, you get **39, 26.738, 142.034**, and if you desaturate by 10%, it is **41, 11.807, 143.549**.

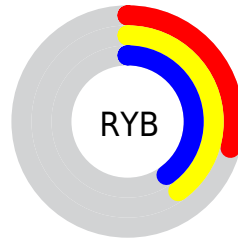
Distribution



Red (29%)

Green (40%)

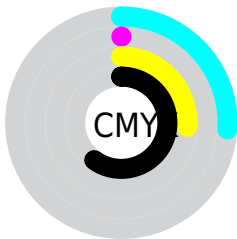
Blue (29%)



Red (29%)

Yellow (40%)

Blue (40%)

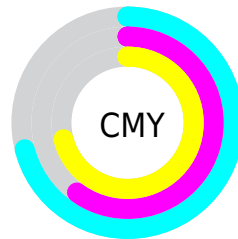


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (60%)



Cyan (71%)


Magenta (60%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.319, 142.843 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, 19.319, 142.843 by changing the saturation by 10% instead.


 40, 19.319,
142.843


 40, 19.319,
142.843


 100, 19.319,
142.843


 30, 19.319,
142.843

 60, 19.319,
142.843


 20, 19.319,
142.843

 70, 19.319,
142.843


 10, 19.319,
142.843

 80, 19.319,
142.843

 0, 19.319, 142.843

 90, 19.319,
142.843

 40, 19.319,

 40, 19.319,

142.843

142.843

■ 39, 26.738,
142.034

■ 41, 11.807,
143.549

■ 38, 33.921,
141.119

■ 42, 4.306, 144.174

■ 38, 40.693,
140.110

■ 43, 3.103, 324.602

■ 44, 10.364,
325.076

■ 37, 46.840,
139.047

■ 46, 17.441,
325.458

■ 37, 52.113,
138.002

■ 47, 24.312,
325.781

■ 37, 56.244,
137.086

■ 49, 30.966,
326.058

■ 37, 59.292,
136.349

■ 50, 37.402,
326.295

■ 36, 60.592,
136.019

■ 52, 43.622,
326.500

Harmonies

Complementary

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



40, 19.319, 142.843



35, 19.328, 325.756

Rectangle

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



40, 19.319, 142.843



40, 19.319, 192.843



40, 19.319, 322.843



40, 19.319, 12.843

Sweetspot

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



40, 19.320, 142.843



53, 7.342, 144.025



42, 15.524, 107.844



27, 5.263, 143.953



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, 19.320, 142.843



51, 28.605, 142.364



40, 13.355, 161.490



21, 4.222, 143.982



42, 66.433, 136.018



84, 115.213, 136.017

Inverse Universe

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



35, 19.328, 325.756



44, 28.600, 326.059



35, 13.762, 345.813



20, 4.229, 324.880



26, 64.093, 328.239



57, 111.150, 328.239

Previews

White Background



This preview shows how the CIELCh color 40, 19.319, 142.843 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, 19.319, 142.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

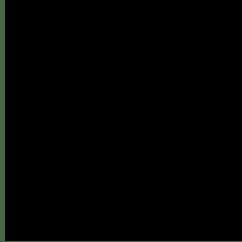
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 19.319, 142.843

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.319, 142.843.

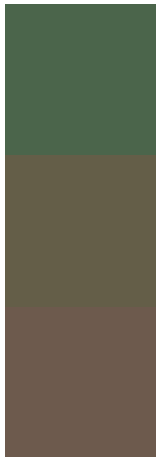


This preview shows how white text looks on a background with the CIELCh color 40, 19.319, 142.843.

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](#).

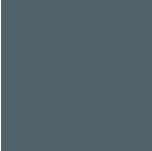
Dichromacy



Original Color
40, 19.319, 142.843

Protanopia
40, 13.593, 96.449

Deuteranopia
40, 11.815, 61.793



Tritanopia
40, 8.044, 236.268

Trichromacy



Original Color
40, 19.319, 142.843

Protanomaly
40, 14.070, 117.184

Deuteranomaly
40, 10.988, 101.418

Tritanomaly
40, 8.468, 181.556

Monochromacy



Original Color
40, 19.319, 142.843

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 7.488, 143.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.319, 142.843 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(75, 101, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 101, 75)  
}
```

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(75, 101, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 101, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.319, 142.843 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(75, 101, 75) }
```

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

```
.border{ border-color:rgb(75, 101, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 101, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 101, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 101, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 101,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.319, 142.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 101, 75) }
```

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

```
.background{ background-color: rgb(75, 101,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor