

Converting Colors

CIELCh(40, 19.259, 157.507)

Have a look what the booklet for
CIELCh(40, 19.259, 157.507)
contains.

CIELCh(40, 19.163, 157.751)	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, 19.163, 157.751)

Conversions

Conversions Part 1

Format	Color
Hex	426652
RGB	66, 102, 82
RGB Percent	26%, 40%, 32%
CMY	0.7415, 0.6003, 0.6787
CMYK	0.35, 0.00, 0.20, 0.60
HSL	147°, 21%, 33%
HSV	147°, 35%, 40%
XYZ	8.5054, 11.2510, 9.6909
YIQ	88.9560, -15.0360, -13.8520

Conversions

Conversions Part 2

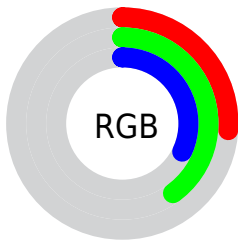
Format	Color
RYB	66, 91, 102
Decimal	4351570
CIELab	40.00, -17.74, 7.26
CIELCh	40, 19.163, 157.751
Yxy	11.2510, 0.2888, 0.3821
Android (android.graphics.Color)	4282541650 (0xFF426652)
YUV	88.9560, -3.4293, -20.1324
Hunter-Lab	33.5425, -13.4369, 6.3499

Details


The CIELCh color **40, 19.163, 157.751** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 19.743, 343.707**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 19.249, 157.575**, and **20, 19.370, 157.066** is the 20% darker color. If you saturate the color by 10%, you get **39, 24.345, 156.639**, and if you desaturate by 10%, it is **41, 13.813, 158.739**.

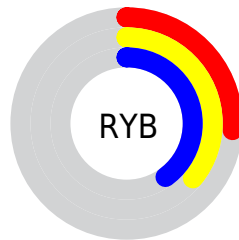
Distribution



 Red (26%)

 Green (40%)

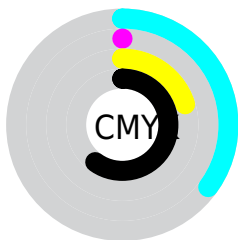
 Blue (32%)




 Red (26%)

 Yellow (36%)

 Blue (40%)

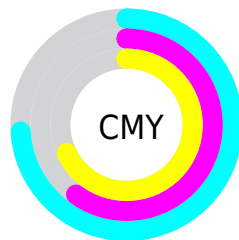


 Cyan (35%)

 Magenta (0%)

 Yellow (20%)

 Black (60%)



 Cyan (74%)


 Magenta (60%)


 Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 19.163, 157.751 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, 19.163, 157.751 by changing the saturation by 10% instead.


 40, 19.163,
157.751


 40, 19.163,
157.751


 100, 19.163,
157.751


 30, 19.163,
157.751

 60, 19.163,
157.751


 20, 19.163,
157.751

 70, 19.163,
157.751


 10, 19.163,
157.751

 80, 19.163,
157.751

 0, 19.163, 157.751

 90, 19.163,
157.751

 40, 19.163,

 40, 19.163,

157.751

■ 39, 24.345,
156.639

■ 39, 29.274,
155.385

■ 38, 33.869,
153.968

■ 38, 38.056,
152.373

■ 38, 41.784,
150.594

■ 37, 45.090,
148.704

■ 37, 46.599,
147.905

157.751

■ 41, 13.813,
158.739

■ 42, 8.369, 159.628

■ 43, 2.898, 160.469

■ 44, 2.546, 341.007

■ 45, 7.922, 341.719

■ 46, 13.198,
342.326

■ 47, 18.353,
342.880

■ 49, 23.373,
343.392

■ 50, 28.251,
343.868

Harmonies

Complementary

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



40, 19.163, 157.751



33, 19.743, 343.707

Rectangle

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



40, 19.163, 157.751



40, 19.163, 207.751



40, 19.163, 337.751



40, 19.163, 27.751

Sweetspot

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



40, 19.164, 157.750



54, 7.455, 159.963



41, 22.551, 125.084



27, 4.970, 159.889



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, 19.164, 157.750



51, 28.077, 156.885



40, 13.715, 191.584



21, 3.065, 160.162



42, 51.041, 147.566



84, 91.306, 146.110

Inverse Universe

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



33, 19.743, 343.707



40, 29.058, 344.527



32, 16.742, 17.243



20, 3.093, 341.387



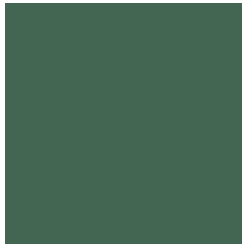
24, 47.957, 355.185



53, 82.435, 357.523

Previews

White Background



This preview shows how the CIELCh color 40, 19.163, 157.751 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, 19.163, 157.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

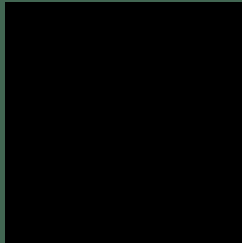
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 19.163, 157.751

Background



This preview shows how black text looks on a background with the CIELCh color 40, 19.163, 157.751.



This preview shows how white text looks on a background with the CIELCh color 40, 19.163, 157.751.

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, 19.163, 157.751

Protanopia
40, 9.952, 95.657

Deuteranopia
40, 7.921, 52.402



Tritanopia
40, 11.129, 220.950

Trichromacy



Original Color
40, 19.163, 157.751

Protanomaly
40, 11.765, 130.231

Deuteranomaly
40, 7.501, 122.418

Tritanomaly
40, 12.161, 189.200

Monochromacy



Original Color
40, 19.163, 157.751

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 7.389, 156.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 19.163, 157.751 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(66, 102, 82)` looks like.

```
.text, #text, p{  
    color:rgb(66, 102, 82)  
}
```

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(66, 102, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 102, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 19.163, 157.751 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(66, 102, 82) }
```

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

```
.border{ border-color:rgb(66, 102, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 102, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 102, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 102, 82);  
box-shadow:4px 4px 4px 4px rgb(66, 102,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 19.163, 157.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 102, 82) }
```

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

```
.background{ background-color: rgb(66, 102,  
82) }
```

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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