

Converting Colors

CIELCh(40, 22.868, 159.003)

Have a look what the booklet for
CIELCh(40, 22.868, 159.003)
contains.

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Color

CIELCh(40, 22.868, 159.003)

Conversions

Conversions Part 1

Format	Color
Hex	3A6750
RGB	58, 103, 80
RGB Percent	23%, 40%, 31%
CMY	0.7714, 0.5949, 0.6852
CMYK	0.44, 0.00, 0.22, 0.59
HSL	149°, 28%, 32%
HSV	149°, 44%, 41%
XYZ	8.0998, 11.2510, 9.3886
YIQ	86.9230, -19.4370, -16.6930

Conversions

Conversions Part 2

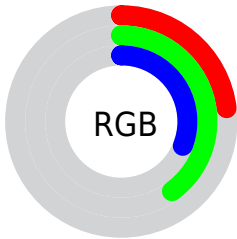
Format	Color
R_{YB}	58, 88, 103
Decimal	3827536
CIE _{Lab}	40.00, -21.35, 8.19
CIE _{LCh}	40, 22.868, 159.003
Yxy	11.2510, 0.2818, 0.3915
Android (android.graphics.Color)	4282017616 (0xFF3A6750)
YUV	86.9230, -3.4130, -25.3655
Hunter-Lab	33.5425, -15.5955, 6.8843

Details

The CIELCh color **40, 22.868, 159.003** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 23.923, 347.081**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 22.585, 158.760**, and **20, 23.372, 158.029** is the 20% darker color. If you saturate the color by 10%, you get **39, 27.686, 157.757**, and if you desaturate by 10%, it is **41, 17.806, 160.111**.

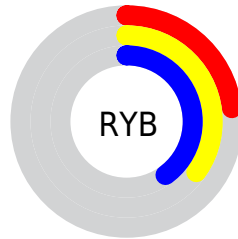
Distribution



 Red (23%)

 Green (40%)

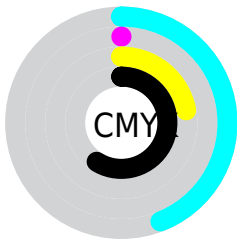
 Blue (31%)




 Red (23%)

 Yellow (35%)

 Blue (40%)

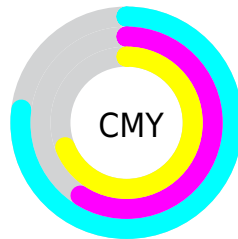


 Cyan (44%)


 Magenta (0%)

 Yellow (22%)

 Black (59%)



 Cyan (77%)


 Magenta (59%)

 Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 22.868, 159.003 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, 22.868, 159.003 by changing the saturation by 10% instead.


 40, 22.868,
159.003


 40, 22.868,
159.003


 100, 22.868,
159.003


 30, 22.868,
159.003

 60, 22.868,
159.003


 20, 22.868,
159.003

 70, 22.868,
159.003

 10, 22.868,
159.003

 80, 22.868,
159.003

 0, 22.868, 159.003

 90, 22.868,
159.003

 40, 22.868,

 40, 22.868,

159.003

159.003

■ 39, 27.686,
157.757

■ 41, 17.806,
160.111

■ 39, 32.176,
156.354

■ 41, 12.577,
161.104

■ 39, 36.270,
154.775

■ 42, 7.255, 162.005

■ 38, 39.917,
153.009

■ 43, 1.904, 162.904

■ 44, 3.424, 343.432

■ 38, 43.120,
151.085

■ 46, 8.688, 344.148

■ 38, 45.107,
149.941

■ 47, 13.858,
344.778

■ 48, 18.915,
345.359

■ 49, 23.843,
345.901

Harmonies

Complementary

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



40, 22.868, 159.003



31, 23.923, 347.081

Rectangle

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



40, 22.868, 159.003



40, 22.868, 209.003



40, 22.868, 339.003



40, 22.868, 29.003

Sweetspot

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



40, 22.869, 159.002



55, 8.665, 162.022



41, 28.324, 126.553



28, 6.111, 161.873



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 22.869, 159.002



51, 33.514, 157.765



41, 16.274, 195.844



21, 2.968, 162.407



42, 48.895, 149.639



84, 87.422, 148.158

Inverse Universe

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



31, 23.923, 347.081



38, 35.243, 348.359



30, 21.565, 22.229



20, 3.001, 343.680



23, 47.316, 359.036



52, 81.560, 1.710

Previews

White Background



This preview shows how the CIELCh color 40, 22.868, 159.003 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, 22.868, 159.003 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, 22.868, 159.003

Background



This preview shows how black text looks on a background with the CIELCh color 40, 22.868, 159.003.



This preview shows how white text looks on a background with the CIELCh color 40, 22.868, 159.003.

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, 22.868, 159.003

Protanopia
40, 11.238, 94.523

Deuteranopia
40, 8.725, 49.265



Tritanopia
40, 13.358, 219.588

Trichromacy



Original Color
40, 22.868, 159.003

Protanomaly
40, 12.675, 132.733

Deuteranomaly
39, 8.334, 127.135

Tritanomaly
40, 14.458, 190.312

Monochromacy



Original Color
40, 22.868, 159.003

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 8.360, 162.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 22.868, 159.003 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(58, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(58, 103, 80)  
}
```

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(58, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 103, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 22.868, 159.003 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(58, 103, 80) }
```

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

```
.border{ border-color:rgb(58, 103, 80) }
```

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

Here you see how a box with a 4 pixel rgb(58, 103, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(58, 103,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 22.868, 159.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 103, 80) }
```

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

```
.background{ background-color: rgb(58, 103,  
80) }
```

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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