

Converting Colors

CIELCh(40, 27.445, 160.035)

Have a look what the booklet for
CIELCh(40, 27.445, 160.035)
contains.

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Color

CIELCh(40, 27.712, 159.922)

Conversions

Conversions Part 1

Format	Color
Hex	2F694E
RGB	47, 105, 78
RGB Percent	18%, 41%, 31%
CMY	0.8158, 0.5883, 0.6942
CMYK	0.55, 0.00, 0.26, 0.59
HSL	152°, 38%, 30%
HSV	152°, 55%, 41%
XYZ	7.5940, 11.2510, 8.9743
YIQ	84.5800, -25.9010, -20.6930

Conversions

Conversions Part 2

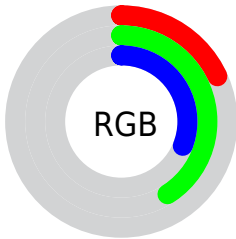
Format	Color
R_{YB}	47, 85, 105
Decimal	3107150
CIE Lab	40.00, -26.03, 9.51
CIE LCh	40, 27.712, 159.922
Yxy	11.2510, 0.2730, 0.4044
Android (android.graphics.Color)	4281297230 (0xFF2F694E)
YUV	84.5800, -3.2439, -32.9577
Hunter-Lab	33.5425, -18.2869, 7.6167

Details

The CIELCh color $40, 27.712, 159.922$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 29.660, 351.518$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 27.880, 159.652$, and $20, 25.848, 158.222$ is the 20% darker color. If you saturate the color by 10%, you get $40, 31.966, 158.479$, and if you desaturate by 10%, it is $41, 23.111, 161.206$.

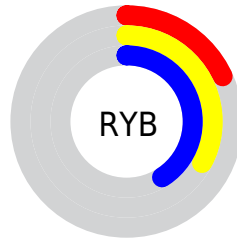
Distribution



 Red (18%)

 Green (41%)

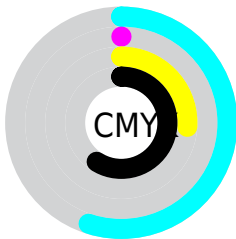
 Blue (31%)




 Red (18%)

 Yellow (33%)

 Blue (41%)

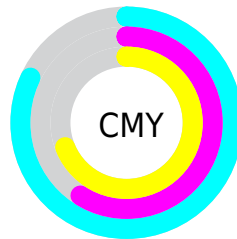



 Cyan (55%)


 Magenta (0%)

 Yellow (26%)

 Black (59%)



 Cyan (82%)


 Magenta (59%)


 Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 27.712, 159.922 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, 27.712, 159.922 by changing the saturation by 10% instead.


 40, 27.712,
159.922


 40, 27.712,
159.922


 100, 27.712,
159.922


 30, 27.712,
159.922

 60, 27.712,
159.922


 20, 27.712,
159.922

 70, 27.712,
159.922

 10, 27.712,
159.922

 80, 27.712,
159.922

 0, 27.712, 159.922

 90, 27.712,
159.922

 40, 27.712,

 40, 27.712,

159.922

159.922

■ 40, 31.966,
158.479

■ 41, 23.111,
161.206

■ 39, 35.807,
156.861

■ 41, 18.239,
162.353

■ 39, 39.195,
155.053

■ 42, 13.173,
163.386

■ 39, 42.176,
153.115

■ 43, 7.988, 164.326

■ 39, 43.564,
152.266

■ 44, 2.750, 165.232

■ 45, 2.487, 345.805

■ 46, 7.679, 346.589

■ 47, 12.795,
347.266

■ 49, 17.809,
347.891

Harmonies

Complementary

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



40, 27.712, 159.922



28, 29.660, 351.518

Rectangle

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



40, 27.712, 159.922



40, 27.712, 209.922



40, 27.712, 339.922



40, 27.712, 29.922

Sweetspot

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



40, 27.713, 159.921



55, 11.119, 164.122



41, 36.430, 127.850



28, 7.378, 163.998



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, 27.713, 159.921



51, 40.111, 158.068



40, 18.948, 200.788



22, 2.993, 164.887



43, 47.428, 151.951



85, 83.985, 150.505

Inverse Universe

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



28, 29.660, 351.518



34, 42.994, 353.773



28, 28.041, 27.597



21, 3.033, 346.223



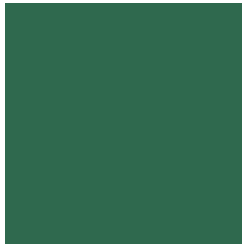
24, 47.661, 3.303



52, 81.854, 6.219

Previews

White Background



This preview shows how the CIELCh color 40, 27.712, 159.922 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, 27.712, 159.922 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, 27.712, 159.922

Background



This preview shows how black text looks on a background with the CIELCh color 40, 27.712, 159.922.



This preview shows how white text looks on a background with the CIELCh color 40, 27.712, 159.922.

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, 27.712, 159.922

Protanopia
40, 13.004, 96.046

Deuteranopia
40, 9.439, 55.397



Tritanopia
40, 16.101, 215.466

Trichromacy



Original Color
40, 27.712, 159.922

Protanomaly
40, 15.811, 135.928

Deuteranomaly
39, 10.135, 134.039

Tritanomaly
40, 17.901, 189.328

Monochromacy



Original Color
40, 27.712, 159.922

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.782, 163.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 27.712, 159.922 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(47, 105, 78)` looks like.

```
.text, #text, p{  
    color:rgb(47, 105, 78)  
}
```

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(47, 105, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 105, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 27.712, 159.922 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(47, 105, 78) }
```

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

```
.border{ border-color:rgb(47, 105, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 105, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 105, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 105, 78);  
box-shadow:4px 4px 4px 4px rgb(47, 105,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 27.712, 159.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 105, 78) }
```

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

```
.background{ background-color: rgb(47, 105,  
78) }
```

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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