

Converting Colors

CIELCh(40, 7.231, 85.377)

Have a look what the booklet for
CIELCh(40, 7.231, 85.377) contains.

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Color

CIELCh(40, 7.174, 87.496)

Conversions

Conversions Part 1

Format	Color
Hex	645E53
RGB	100, 94, 83
RGB Percent	39%, 37%, 33%
CMY	0.6092, 0.6327, 0.6759
CMYK	0.00, 0.06, 0.17, 0.61
HSL	39°, 9%, 36%
HSV	39°, 17%, 39%
XYZ	10.7354, 11.2510, 9.7198
YIQ	94.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

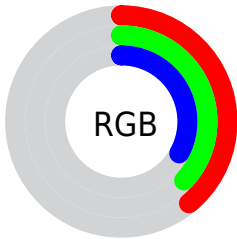
Format	Color
R_{YB}	92, 100, 83
Decimal	6577747
CIE _{Lab}	40.00, 0.31, 7.17
CIE _{LCh}	40, 7.174, 87.496
Yxy	11.2510, 0.3386, 0.3549
Android (android.graphics.Color)	4284767827 (0xFF645E53)
YUV	94.5400, -5.6892, 4.7884
Hunter-Lab	33.5425, -1.5696, 6.2989

Details

The CIELCh color $40, 7.174, 87.496$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $38, 7.127, 271.771$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 7.307, 86.639$, and $20, 7.232, 88.080$ is the 20% darker color. If you saturate the color by 10%, you get $39, 11.511, 86.282$, and if you desaturate by 10%, it is $41, 2.930, 88.671$.

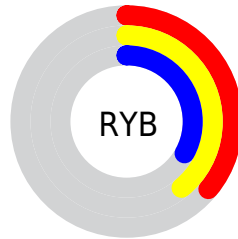
Distribution



Red (39%)

Green (37%)

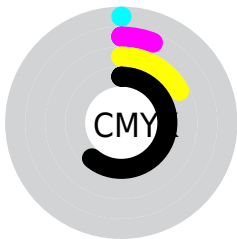
Blue (33%)



Red (36%)

Yellow (39%)

Blue (33%)

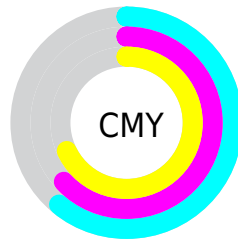


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (61%)



Cyan (61%)

Magenta (63%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 7.174, 87.496 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, 7.174, 87.496 by changing the saturation by 10% instead.

■ 40, 7.174, 87.496 ■ 40, 7.174, 87.496

■ 100, 7.174, 87.496 ■ 30, 7.174, 87.496

■ 60, 7.174, 87.496 ■ 20, 7.174, 87.496

■ 70, 7.174, 87.496 ■ 10, 7.174, 87.496

■ 80, 7.174, 87.496 ■ 0, 7.174, 87.496

■ 90, 7.174, 87.496

■ 40, 7.174, 87.496 ■ 40, 7.174, 87.496

■ 39, 11.511, 86.282 ■ 41, 2.930, 88.671

■ 37, 15.931, 85.019 ■ 43, 1.222, 270.004

■ 36, 20.410, 83.719 ■ 44, 5.284, 271.020

■ 35, 24.900, 82.379

■ 45, 9.262, 272.074

■ 34, 29.305, 80.982

■ 47, 13.162,
273.090

■ 33, 33.457, 79.490

■ 48, 16.990,
274.061

■ 32, 37.076, 77.824

■ 31, 40.297, 76.100

■ 49, 20.753,
274.987

■ 30, 41.381, 75.685

■ 51, 24.455,
275.867

■ 52, 28.102,
276.703

Harmonies

Complementary

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



40, 7.174, 87.496



38, 7.127, 271.771

Rectangle

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



40, 7.174, 87.496



40, 7.174, 137.496



40, 7.174, 267.496



40, 7.174, 317.496

Sweetspot

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



40, 7.175, 87.507



54, 2.581, 88.874



37, 8.259, 353.016



28, 1.776, 88.822



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, 7.175, 87.507



51, 10.520, 87.077



42, 10.258, 114.190



20, 2.386, 88.458



35, 45.769, 75.184



72, 79.359, 73.245

Inverse Universe

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



38, 7.127, 271.771



48, 10.430, 272.299



36, 10.627, 296.764



20, 2.382, 270.673



19, 50.256, 293.809



43, 92.834, 296.125

Previews

White Background



This preview shows how the CIELCh color 40, 7.174, 87.496 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, 7.174, 87.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

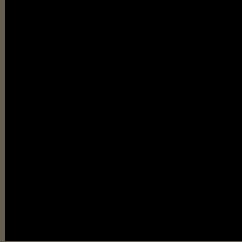
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 7.174, 87.496

Background



This preview shows how black text looks on a background with the CIELCh color 40, 7.174, 87.496.



This preview shows how white text looks on a background with the CIELCh color 40, 7.174, 87.496.

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

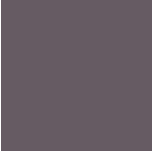
40, 7.174, 87.496

Protanopia

40, 7.023, 90.867

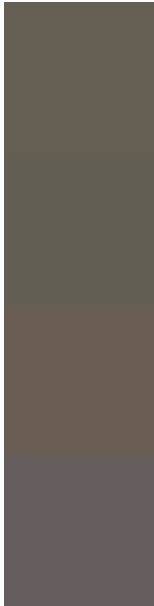
Deuteranopia

40, 8.664, 54.048



Tritanopia
40, 6.722, 333.849

Trichromacy



Original Color
40, 7.174, 87.496

Protanomaly
40, 7.023, 90.867

Deuteranomaly
40, 7.651, 65.210

Tritanomaly
40, 3.884, 10.870

Monochromacy



Original Color
40, 7.174, 87.496

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 2.566, 90.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 7.174, 87.496 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(100, 94, 83)` looks like.

```
.text, #text, p{  
    color:rgb(100, 94, 83)  
}
```

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(100, 94, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 94, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 7.174, 87.496 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(100, 94, 83) }
```

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

```
.border{ border-color:rgb(100, 94, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 94, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 94, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 94, 83);  
box-shadow:4px 4px 4px 4px rgb(100, 94,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 7.174, 87.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 94, 83) }
```

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

```
.background{ background-color: rgb(100, 94,  
83) }
```

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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