

Converting Colors

CIELCh(41, 7.895, 85.973)

Have a look what the booklet for
CIELCh(41, 7.895, 85.973) contains.

CIELCh(41, 7.880, 85.993)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 7.880, 85.993)

Conversions

Conversions Part 1

Format	Color
Hex	676054
RGB	103, 96, 84
RGB Percent	40%, 38%, 33%
CMY	0.5965, 0.6239, 0.6710
CMYK	0.00, 0.07, 0.18, 0.60
HSL	38°, 10%, 37%
HSV	38°, 18%, 40%
XYZ	11.3529, 11.8645, 10.0599
YIQ	96.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

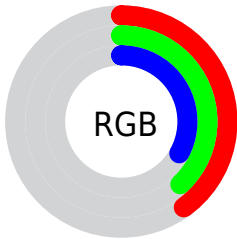
Format	Color
RYB	95, 103, 84
Decimal	6774868
CIELab	41.00, 0.55, 7.86
CIELCh	41, 7.880, 85.993
Yxy	11.8645, 0.3412, 0.3565
Android (android.graphics.Color)	4284964948 (0xFF676054)
YUV	96.7250, -6.2734, 5.5032
Hunter-Lab	34.4449, -1.4459, 6.7954

Details

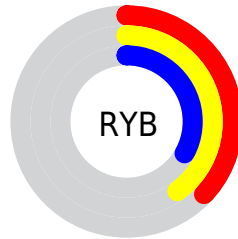
The CIELCh color $41, 7.880, 85.993$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $38, 7.795, 270.692$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 7.454, 83.775$, and $21, 8.004, 86.186$ is the 20% darker color. If you saturate the color by 10%, you get $40, 12.298, 84.763$, and if you desaturate by 10%, it is $42, 3.565, 87.189$.

Distribution



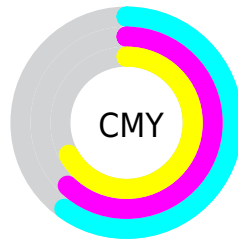
- Red (40%)
- Green (38%)
- Blue (33%)



- Red (37%)
- Yellow (40%)
- Blue (33%)



- Cyan (0%)
- Magenta (7%)
- Yellow (18%)
- Black (60%)



- Cyan (60%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 7.880, 85.993 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 41, 7.880, 85.993 by changing the saturation by 10% instead.

■ 41, 7.880, 85.993 ■ 41, 7.880, 85.993

■ 100, 7.880, 85.993 ■ 31, 7.880, 85.993

■ 61, 7.880, 85.993 ■ 21, 7.880, 85.993

■ 71, 7.880, 85.993 ■ 11, 7.880, 85.993

■ 81, 7.880, 85.993 ■ 1, 7.880, 85.993

■ 91, 7.880, 85.993 ■ 0, 7.880, 85.993

■ 41, 7.880, 85.993 ■ 41, 7.880, 85.993

■ 40, 12.298, 84.763 ■ 42, 3.565, 87.189

■ 38, 16.810, 83.485 ■ 44, 0.648, 268.661

■ 37, 21.389, 82.170 ■ 45, 4.762, 269.571

36, 25.984, 80.813

47, 8.784, 270.640

35, 30.489, 79.392

48, 12.721,
271.672

33, 34.718, 77.860

50, 16.581,
272.660

32, 38.360, 76.124

31, 41.738, 74.397

51, 20.370,
273.602

31, 42.331, 74.182

53, 24.093,
274.499

54, 27.758,
275.350

Harmonies

Complementary

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



41, 7.880, 85.993



38, 7.795, 270.692

Rectangle

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



41, 7.880, 85.993



41, 7.880, 135.993



41, 7.880, 265.993



41, 7.880, 315.993

Sweetspot

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



41, 7.881, 86.003



54, 3.104, 87.444



38, 9.288, 352.092



27, 2.043, 87.401



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 7.881, 86.003



52, 11.626, 85.494



43, 11.387, 113.392



20, 2.350, 87.138



35, 45.757, 73.780



71, 79.421, 71.762

Inverse Universe

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



38, 7.795, 270.692



48, 11.465, 271.334



37, 11.838, 296.296



20, 2.343, 269.370



20, 48.962, 292.809



44, 90.461, 295.192

Previews

White Background



This preview shows how the CIELCh color 41, 7.880, 85.993 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 41, 7.880, 85.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

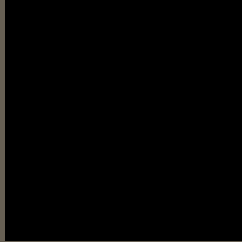
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 7.880, 85.993

Background



This preview shows how black text looks on a background with the CIELCh color 41, 7.880, 85.993.

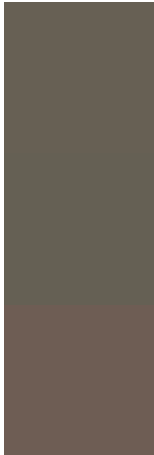


This preview shows how white text looks on a background with the CIELCh color 41, 7.880, 85.993.

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

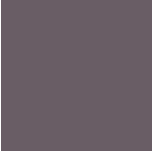
41, 7.880, 85.993

Protanopia

41, 7.575, 92.185

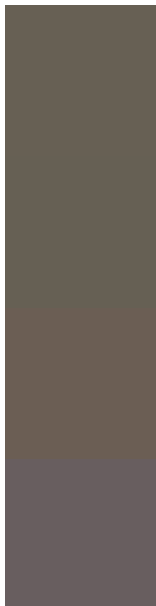
Deuteranopia

41, 9.374, 55.438



Tritanopia
41, 6.990, 336.395

Trichromacy



Original Color
41, 7.880, 85.993

Protanomaly
41, 7.716, 89.031

Deuteranomaly
41, 8.387, 65.772

Tritanomaly
41, 4.294, 11.825

Monochromacy



Original Color
41, 7.880, 85.993

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 3.130, 93.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 7.880, 85.993 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(103, 96, 84)` looks like.

```
.text, #text, p{  
    color:rgb(103, 96, 84)  
}
```

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(103, 96, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 96, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 7.880, 85.993 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(103, 96, 84) }
```

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

```
.border{ border-color:rgb(103, 96, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 96, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 96, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 96, 84);  
box-shadow:4px 4px 4px 4px rgb(103, 96,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 7.880, 85.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 96, 84) }
```

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

```
.background{ background-color: rgb(103, 96,  
84) }
```

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