

Converting Colors

CIELCh(42, 7.765, 87.433)

Have a look what the booklet for
CIELCh(42, 7.765, 87.433) contains.

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Color

CIELCh(42, 7.850, 86.030)

Conversions

Conversions Part 1

Format	Color
Hex	696256
RGB	105, 98, 86
RGB Percent	41%, 38%, 34%
CMY	0.5869, 0.6144, 0.6614
CMYK	0.00, 0.07, 0.18, 0.59
HSL	38°, 10%, 38%
HSV	38°, 18%, 41%
XYZ	11.9585, 12.5000, 10.6567
YIQ	98.7250, 8.0240, -2.2480

Conversions

Conversions Part 2

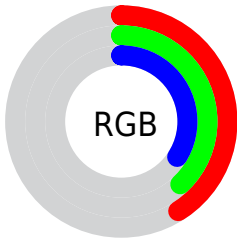
Format	Color
R_{YB}	97, 105, 86
Decimal	6906454
CIE _{Lab}	42.00, 0.54, 7.83
CIE _{LCh}	42, 7.850, 86.030
Yxy	12.5000, 0.3406, 0.3560
Android (android.graphics.Color)	4285096534 (0xFF696256)
YUV	98.7250, -6.2734, 5.5032
Hunter-Lab	35.3553, -1.4963, 6.8777

Details

The CIELCh color $42, 7.850, 86.030$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $39, 7.768, 270.631$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 7.781, 88.169$, and $22, 7.953, 86.282$ is the 20% darker color. If you saturate the color by 10%, you get $41, 12.351, 84.798$, and if you desaturate by 10%, it is $43, 3.455, 87.227$.

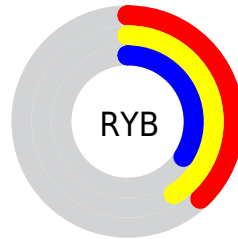
Distribution



Red (41%)

Green (38%)

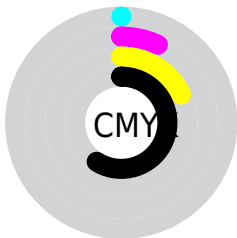
Blue (34%)



Red (38%)

Yellow (41%)

Blue (34%)

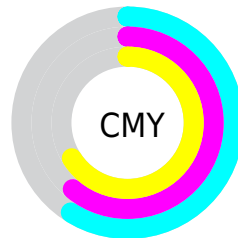


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (59%)



Cyan (59%)

Magenta (61%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.850, 86.030 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 42, 7.850, 86.030 by changing the saturation by 10% instead.

■ 42, 7.850, 86.030 ■ 42, 7.850, 86.030

■ 100, 7.850, 86.030 ■ 32, 7.850, 86.030

■ 62, 7.850, 86.030 ■ 22, 7.850, 86.030

■ 72, 7.850, 86.030 ■ 12, 7.850, 86.030

■ 82, 7.850, 86.030 ■ 2, 7.850, 86.030

■ 92, 7.850, 86.030 ■ 0, 7.850, 86.030

■ 42, 7.850, 86.030 ■ 42, 7.850, 86.030

■ 41, 12.351, 84.798 ■ 43, 3.455, 87.227

■ 39, 16.947, 83.517 ■ 45, 0.835, 268.648

■ 38, 21.614, 82.200 ■ 46, 5.025, 269.612

37, 26.299, 80.840

48, 9.121, 270.683

35, 30.896, 79.417

49, 13.131,
271.716

34, 35.216, 77.885

51, 17.062,
272.704

33, 38.945, 76.148

32, 42.290, 74.366

52, 20.920,
273.647

32, 43.059, 74.092

54, 24.712,
274.543

55, 28.444,
275.394

Harmonies

Complementary

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



42, 7.850, 86.030



39, 7.768, 270.631

Rectangle

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



42, 7.850, 86.030



42, 7.850, 136.030



42, 7.850, 266.030



42, 7.850, 316.030

Sweetspot

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



42, 7.851, 86.040



56, 2.663, 87.544



39, 9.252, 352.055



29, 1.805, 87.491



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 7.851, 86.040



54, 11.992, 85.477



44, 11.351, 113.419



22, 2.449, 87.120



35, 46.481, 73.694



71, 80.055, 71.735

Inverse Universe

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



39, 7.768, 270.631



50, 11.824, 271.340



38, 11.791, 296.262



21, 2.441, 269.374



20, 49.856, 292.903



44, 91.223, 295.209

Previews

White Background



This preview shows how the CIELCh color 42, 7.850, 86.030 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 42, 7.850, 86.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

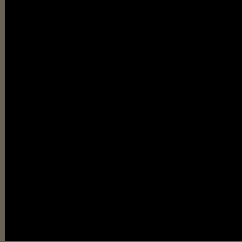
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 7.850, 86.030

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.850, 86.030.

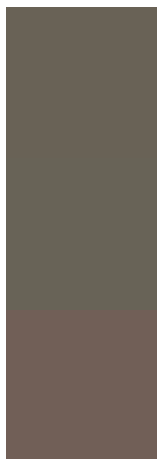


This preview shows how white text looks on a background with the CIELCh color 42, 7.850, 86.030.

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

42, 7.850, 86.030

Protanopia

42, 7.533, 92.235

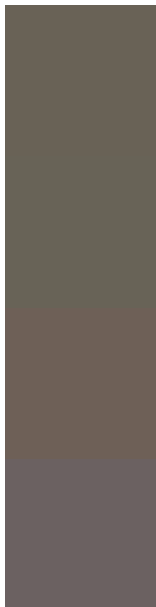
Deuteranopia

42, 9.353, 51.058



Tritanopia
42, 6.557, 340.193

Trichromacy



Original Color
42, 7.850, 86.030

Protanomaly
42, 7.533, 92.235

Deuteranomaly
42, 8.243, 60.865

Tritanomaly
42, 4.238, 19.880

Monochromacy



Original Color
42, 7.850, 86.030

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.119, 93.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.850, 86.030 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(105, 98, 86)` looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 86)  
}
```

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(105, 98, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.850, 86.030 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(105, 98, 86) }
```

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

```
.border{ border-color:rgb(105, 98, 86) }
```

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

Here you see how a box with a 4 pixel rgb(105, 98, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 98, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 98, 86);  
box-shadow:4px 4px 4px 4px rgb(105, 98,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.850, 86.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 86) }
```

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

```
.background{ background-color: rgb(105, 98,  
86) }
```

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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