

Converting Colors

CIELCh(42, 7.726, 104.680)

Have a look what the booklet for
CIELCh(42, 7.726, 104.680) contains.

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Color

CIELCh(42, 7.817, 105.819)

Conversions

Conversions Part 1

Format	Color
Hex	656457
RGB	101, 100, 87
RGB Percent	40%, 39%, 34%
CMY	0.6049, 0.6089, 0.6598
CMYK	0.00, 0.01, 0.14, 0.60
HSL	56°, 7%, 37%
HSV	56°, 14%, 40%
XYZ	11.5797, 12.5000, 10.7647
YIQ	98.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

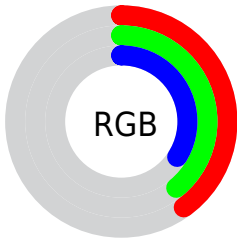
Format	Color
R _Y B	88, 101, 87
Decimal	6644823
CIE Lab	42.00, -2.13, 7.52
CIE LCh	42, 7.817, 105.819
Yxy	12.5000, 0.3323, 0.3587
Android (android.graphics.Color)	4284834903 (0xFF656457)
YUV	98.8170, -5.8258, 1.9145
Hunter-Lab	35.3553, -3.4092, 6.6967

Details

The CIELCh color **42, 7.817, 105.819** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 8.018, 288.614**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 7.820, 106.381**, and **22, 7.350, 104.645** is the 20% darker color. If you saturate the color by 10%, you get **42, 13.428, 104.857**, and if you desaturate by 10%, it is **42, 2.186, 106.766**.

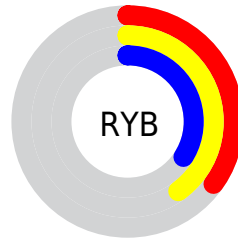
Distribution



Red (40%)

Green (39%)

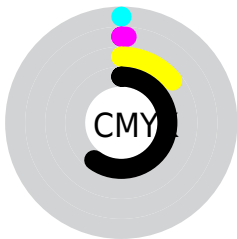
Blue (34%)



Red (35%)

Yellow (40%)

Blue (34%)

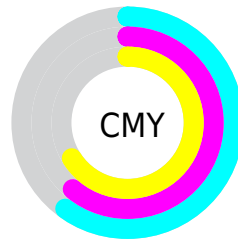


Cyan (0%)

Magenta (1%)

Yellow (14%)

Black (60%)



Cyan (60%)

Magenta (61%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.817, 105.819 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, 7.817, 105.819 by changing the saturation by 10% instead.

■ 42, 7.817, 105.819

■ 42, 7.817, 105.819

■ 100, 7.817,
105.819

■ 32, 7.817, 105.819

■ 62, 7.817, 105.819

■ 22, 7.817, 105.819

■ 72, 7.817, 105.819

■ 12, 7.817, 105.819

■ 82, 7.817, 105.819

■ 2, 7.817, 105.819

■ 92, 7.817, 105.819

■ 0, 7.817, 105.819

■ 42, 7.817, 105.819

■ 42, 7.817, 105.819

■ 42, 13.428,
104.857

■ 42, 2.186, 106.766

■ 41, 18.981,

■ 43, 3.445, 287.744

103.880

44, 9.060, 288.640

41, 24.420,
102.910

44, 14.649,
289.510

40, 29.657,
101.963

45, 20.206,
290.346

40, 34.555,
101.057

45, 25.727,
291.144

40, 38.919,
100.213

46, 31.207,
291.902

39, 42.489, 99.451

47, 36.645,
292.622

39, 45.103, 98.780

47, 42.038,
293.301

39, 46.697, 98.384

Harmonies

Complementary

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



42, 7.817, 105.819



38, 8.018, 288.614

Rectangle

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



42, 7.817, 105.819



42, 7.817, 155.819



42, 7.817, 285.819



42, 7.817, 335.819

Sweetspot

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



42, 7.818, 105.827



54, 2.773, 106.746



38, 6.108, 13.546



28, 1.987, 106.693



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 7.818, 105.827



53, 11.800, 105.480



42, 8.794, 125.482



21, 3.192, 106.300



44, 51.170, 98.312



88, 88.486, 98.016

Inverse Universe

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



38, 8.018, 288.614



47, 12.180, 289.039



38, 8.982, 306.754



19, 3.247, 288.066



12, 70.354, 304.796



31, 125.655, 305.623

Previews

White Background



This preview shows how the CIELCh color 42, 7.817, 105.819 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 42, 7.817, 105.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

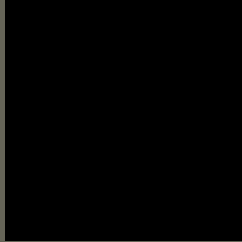
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

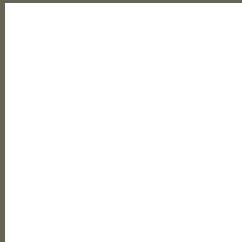
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 7.817, 105.819

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.817, 105.819.

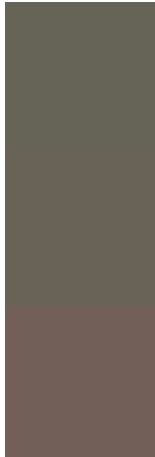


This preview shows how white text looks on a background with the CIELCh color 42, 7.817, 105.819.

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, 7.817, 105.819

Protanopia

42, 8.112, 93.326

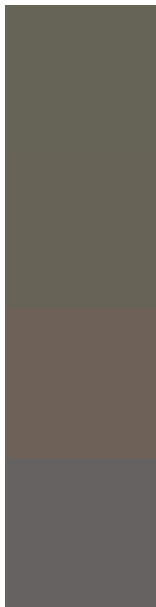
Deuteranopia

42, 9.025, 47.947



Tritanopia
42, 5.455, 317.576

Trichromacy



Original Color
42, 7.817, 105.819

Protanomaly
42, 8.005, 96.367

Deuteranomaly
42, 7.571, 65.293

Tritanomaly
42, 1.676, 19.425

Monochromacy



Original Color
42, 7.817, 105.819

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 2.439, 99.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.817, 105.819 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(101, 100, 87)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 87)  
}
```

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(101, 100, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.817, 105.819 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(101, 100, 87) }
```

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

```
.border{ border-color:rgb(101, 100, 87) }
```

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

Here you see how a box with a 4 pixel rgb(101, 100, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 87);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.817, 105.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 87) }
```

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

```
.background{ background-color: rgb(101,  
100, 87) }
```

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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