

Converting Colors

CIELCh(42, 1.281, 69.142)

Have a look what the booklet for
CIELCh(42, 1.281, 69.142) contains.

CIELCh(42, 1.458, 74.819)	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(42, 1.458, 74.819)

Conversions

Conversions Part 1

Format	Color
Hex	656361
RGB	101, 99, 97
RGB Percent	40%, 39%, 38%
CMY	0.6047, 0.6125, 0.6204
CMYK	0.00, 0.02, 0.04, 0.60
HSL	30°, 2%, 39%
HSV	30°, 4%, 40%
XYZ	11.9354, 12.5000, 13.0439
YIQ	99.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

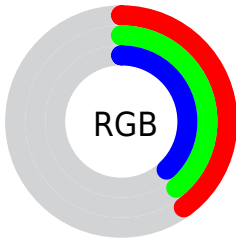
Format	Color
R_{YB}	101, 101, 97
Decimal	6644577
CIE _{Lab}	42.00, 0.38, 1.41
CIE _{LCh}	42, 1.458, 74.819
Yxy	12.5000, 0.3185, 0.3335
Android (android.graphics.Color)	4284834657 (0xFF656361)
YUV	99.3700, -1.1684, 1.4295
Hunter-Lab	35.3553, -1.6131, 2.8745

Details

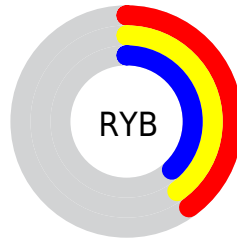
The CIELCh color **42, 1.458, 74.819** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 1.454, 256.083**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 1.349, 74.888**, and **22, 1.410, 90.480** is the 20% darker color. If you saturate the color by 10%, you get **40, 5.255, 73.834**, and if you desaturate by 10%, it is **44, 2.184, 256.249**.

Distribution



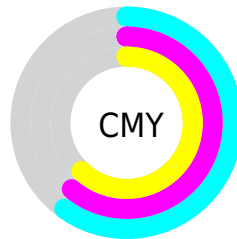
- Red (40%)
- Green (39%)
- Blue (38%)



- Red (40%)
- Yellow (40%)
- Blue (38%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 1.458, 74.819 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, 1.458, 74.819 by changing the saturation by 10% instead.

 42, 1.458, 74.819	 42, 1.458, 74.819
 100, 1.458, 74.819	 32, 1.458, 74.819
 62, 1.458, 74.819	 22, 1.458, 74.819
 72, 1.458, 74.819	 12, 1.458, 74.819
 82, 1.458, 74.819	 2, 1.458, 74.819
 92, 1.458, 74.819	 0, 1.458, 74.819

 42, 1.458, 74.819	 42, 1.458, 74.819
 40, 5.255, 73.834	 44, 2.184, 256.249
 39, 9.218, 72.686	 46, 5.688, 257.280
 37, 13.358, 71.515	 47, 9.066, 258.325

35, 17.676, 70.332

49, 12.332,
259.342

34, 22.157, 69.136

51, 15.499,
260.321

32, 26.755, 67.913

31, 31.366, 66.621

53, 18.578,
261.262

29, 35.782, 65.165

55, 21.577,
262.163

28, 39.743, 63.461

57, 24.507,
263.024

58, 27.373,
263.845

Harmonies

Complementary

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



42, 1.458, 74.819



42, 1.454, 256.083

Rectangle

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



42, 1.458, 74.819



42, 1.458, 124.819



42, 1.458, 254.819



42, 1.458, 304.819

Sweetspot

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



42, 1.458, 74.871



54, 0.447, 74.757



41, 2.073, 343.835



28, 0.256, 74.710



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, 1.458, 74.871



53, 2.273, 74.773



43, 2.399, 109.807



21, 1.255, 74.752



31, 46.802, 62.298



64, 82.270, 59.936

Inverse Universe

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



42, 1.454, 256.083



53, 2.256, 256.190



41, 2.429, 290.558



20, 1.245, 256.212



24, 38.462, 282.015



52, 70.730, 284.943

Previews

White Background



This preview shows how the CIELCh color 42, 1.458, 74.819 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, 1.458, 74.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

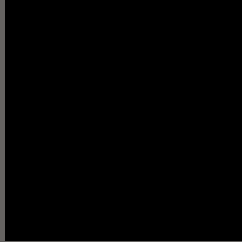
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

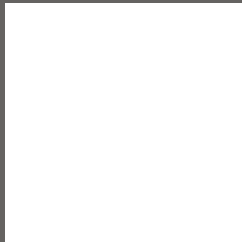
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 1.458, 74.819

Background



This preview shows how black text looks on a background with the CIELCh color 42, 1.458, 74.819.



This preview shows how white text looks on a background with the CIELCh color 42, 1.458, 74.819.

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, 1.458, 74.819

Protanopia

42, 1.458, 74.819

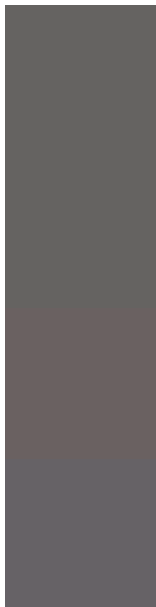
Deuteranopia

42, 5.559, 13.889



Tritanopia
42, 4.558, 311.767

Trichromacy



Original Color

42, 1.458, 74.819

Protanomaly

42, 1.458, 74.819

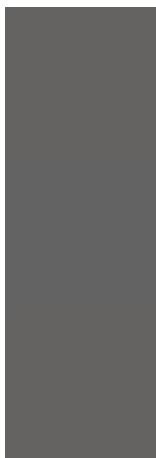
Deuteranomaly

42, 3.809, 19.815

Tritanomaly

42, 2.947, 324.589

Monochromacy



Original Color

42, 1.458, 74.819

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 0.725, 74.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 1.458, 74.819 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, 99, 97)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 97)  
}
```

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, 99, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 1.458, 74.819 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, 99, 97) }
```

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

```
.border{ border-color:rgb(101, 99, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 99, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 97);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 1.458, 74.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 97) }
```

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

```
.background{ background-color: rgb(101, 99,  
97) }
```

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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