

Converting Colors

CIELCh(42, 7.626, 291.293)

Have a look what the booklet for
CIELCh(42, 7.626, 291.293) contains.

CIELCh(42, 7.866, 291.340)	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, 7.866, 291.340)

Conversions

Conversions Part 1

Format	Color
Hex	62626F
RGB	98, 98, 111
RGB Percent	38%, 38%, 44%
CMY	0.6154, 0.6154, 0.5644
CMYK	0.12, 0.12, 0.00, 0.56
HSL	240°, 6%, 41%
HSV	240°, 12%, 44%
XYZ	12.2937, 12.5000, 16.8265
YIQ	99.4820, -4.1730, 4.0430

Conversions

Conversions Part 2

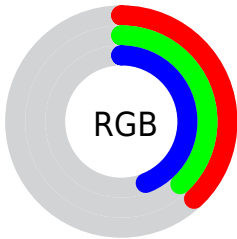
Format	Color
R_{YB}	98, 98, 111
Decimal	6447727
CIE Lab	42.00, 2.86, -7.33
CIE LCh	42, 7.866, 291.340
Yxy	12.5000, 0.2954, 0.3003
Android (android.graphics.Color)	4284637807 (0xFF62626F)
YUV	99.4820, 5.6784, -1.2997
Hunter-Lab	35.3553, 0.1957, -3.4688

Details

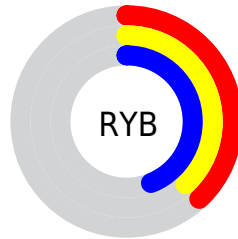
The CIELCh color **42, 7.866, 291.340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 7.667, 109.105**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 7.861, 291.045**, and **22, 7.398, 288.529** is the 20% darker color. If you saturate the color by 10%, you get **38, 14.867, 292.504**, and if you desaturate by 10%, it is **46, 1.130, 290.367**.

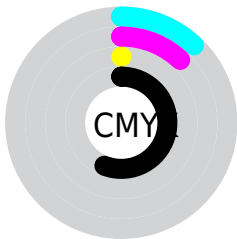
Distribution



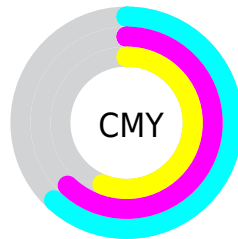
- Red (38%)
- Green (38%)
- Blue (44%)



- Red (38%)
- Yellow (38%)
- Blue (44%)



- Cyan (12%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (62%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 7.866, 291.340 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, 7.866, 291.340 by changing the saturation by 10% instead.

■ 42, 7.866, 291.340

■ 42, 7.866, 291.340

■ 100, 7.866,
291.340

■ 32, 7.866, 291.340

■ 62, 7.866, 291.340

■ 22, 7.866, 291.340

■ 72, 7.866, 291.340

■ 12, 7.866, 291.340

■ 82, 7.866, 291.340

■ 2, 7.866, 291.340

■ 92, 7.866, 291.340

■ 0, 7.866, 291.340

■ 42, 7.866, 291.340

■ 42, 7.866, 291.340

■ 38, 14.867,
292.504

■ 46, 1.130, 290.367

■ 34, 22.155,

■ 50, 5.359, 109.466

293.870

54, 11.618,
108.736

29, 29.742,
295.455

58, 17.663,
108.105

25, 37.619,
297.263

62, 23.510,
107.560

21, 45.716,
299.265

66, 29.169,
107.086

18, 53.811,
301.366

70, 34.654,
106.673

14, 61.402,
303.376

74, 39.974,
106.312

12, 67.615,
305.013

78, 45.141,
105.995

10, 72.521,
306.285

Harmonies

Complementary

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



42, 7.866, 291.340



47, 7.667, 109.105

Rectangle

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



42, 7.866, 291.340



42, 7.866, 341.340



42, 7.866, 111.340



42, 7.866, 161.340

Sweetspot

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



42, 7.865, 291.336



58, 3.308, 290.572



46, 5.158, 197.437



30, 2.371, 290.630



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 7.865, 291.336



53, 11.786, 291.630



43, 8.279, 308.983



21, 3.791, 291.052



12, 76.561, 306.285



31, 130.760, 306.286

Inverse Universe

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



43, 5.524, 20.054



54, 8.319, 20.260



46, 8.147, 127.995



22, 2.649, 19.851



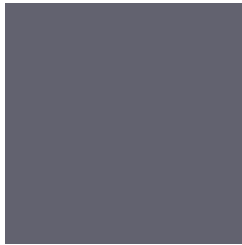
24, 57.999, 37.786



52, 102.186, 39.998

Previews

White Background



This preview shows how the CIELCh color 42, 7.866, 291.340 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, 7.866, 291.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

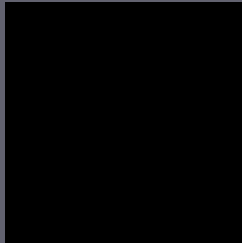
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

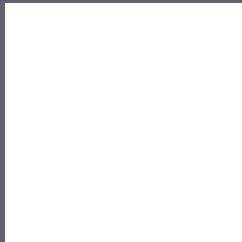
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 7.866, 291.340

Background



This preview shows how black text looks on a background with the CIELCh color 42, 7.866, 291.340.

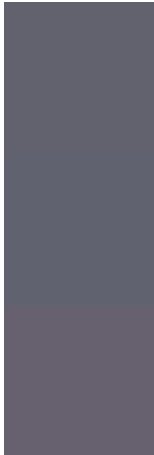


This preview shows how white text looks on a background with the CIELCh color 42, 7.866, 291.340.

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, 7.866, 291.340

Protanopia

42, 7.869, 288.475

Deuteranopia

42, 9.546, 308.491



Tritanopia
42, 4.887, 281.470

Trichromacy



Original Color
42, 7.866, 291.340

Protanomaly
42, 7.869, 288.475

Deuteranomaly
42, 8.650, 302.000

Tritanomaly
42, 5.483, 282.624

Monochromacy



Original Color
42, 7.866, 291.340

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.024, 290.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 7.866, 291.340 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(98, 98, 111)` looks like.

```
.text, #text, p{  
    color:rgb(98, 98, 111)  
}
```

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(98, 98, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 98, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 7.866, 291.340 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(98, 98, 111) }
```

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

```
.border{ border-color:rgb(98, 98, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 98, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 98, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 98, 111);  
box-shadow:4px 4px 4px 4px rgb(98, 98,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 7.866, 291.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 98, 111) }
```

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

```
.background{ background-color: rgb(98, 98,  
111) }
```

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