

Converting Colors

CIELCh(42, 1.025, 243.761)

Have a look what the booklet for
CIELCh(42, 1.025, 243.761) contains.

CIELCh(42, 1.274, 271.583)	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, 1.274, 271.583)

Conversions

Conversions Part 1

Format	Color
Hex	626365
RGB	98, 99, 101
RGB Percent	38%, 39%, 40%
CMY	0.6151, 0.6112, 0.6033
CMYK	0.03, 0.02, 0.00, 0.60
HSL	220°, 2%, 39%
HSV	220°, 3%, 40%
XYZ	11.8859, 12.5000, 14.1370
YIQ	98.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

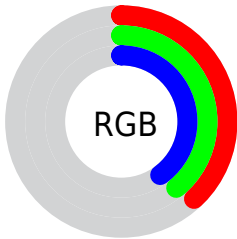
Format	Color
R_YB	98, 99, 101
Decimal	6447973
CIE Lab	42.00, 0.04, -1.27
CIE LCh	42, 1.274, 271.583
Yxy	12.5000, 0.3085, 0.3245
Android (android.graphics.Color)	4284638053 (0xFF626365)
YUV	98.9290, 1.0210, -0.8147
Hunter-Lab	35.3553, -1.8630, 1.0413

Details

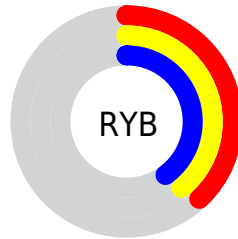
The CIELCh color **42, 1.274, 271.583** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 1.264, 90.622**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 1.186, 271.527**, and **22, 0.808, 255.985** is the 20% darker color. If you saturate the color by 10%, you get **39, 5.590, 272.722**, and if you desaturate by 10%, it is **45, 2.980, 90.263**.

Distribution



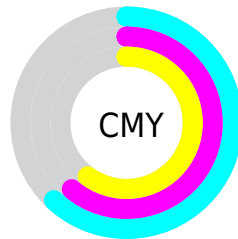
- Red (38%)
- Green (39%)
- Blue (40%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 1.274, 271.583 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, 1.274, 271.583 by changing the saturation by 10% instead.

■ 42, 1.274, 271.583	■ 42, 1.274, 271.583
■ 100, 1.274, 271.583	■ 32, 1.274, 271.583
■ 62, 1.274, 271.583	■ 22, 1.274, 271.583
■ 72, 1.274, 271.583	■ 12, 1.274, 271.583
■ 82, 1.274, 271.583	■ 2, 1.274, 271.583
■ 92, 1.274, 271.583	■ 0, 1.274, 271.583

■ 42, 1.274, 271.583	■ 42, 1.274, 271.583
■ 39, 5.590, 272.722	■ 45, 2.980, 90.263
■ 36, 9.971, 274.184	■ 48, 7.168, 89.322

■ 33, 14.419,
275.885

■ 51, 11.291, 88.478

■ 31, 18.938,
277.858

■ 53, 15.348, 87.727

■ 56, 19.338, 87.059

■ 28, 23.539,
280.137

■ 59, 23.262, 86.459

■ 25, 28.237,
282.746

■ 62, 27.119, 85.920

■ 64, 30.911, 85.432

■ 22, 33.050,
285.681

■ 67, 34.638, 84.987

■ 20, 37.991,
288.900

■ 17, 43.045,
292.266

Harmonies

Complementary

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



42, 1.274, 271.583



42, 1.264, 90.622

Rectangle

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



42, 1.274, 271.583



42, 1.274, 321.583



42, 1.274, 91.583



42, 1.274, 141.583

Sweetspot

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



42, 1.273, 271.537



55, 0.540, 271.525



43, 1.395, 172.542



28, 0.305, 271.546



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, 1.273, 271.537



54, 2.145, 271.642



42, 1.831, 296.267



20, 1.213, 271.678



19, 51.826, 294.955



42, 95.692, 297.189

Inverse Universe

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



42, 1.397, 353.702



54, 2.357, 353.859



43, 1.809, 115.853



20, 1.334, 353.900



23, 47.477, 15.389



51, 83.496, 19.045

Previews

White Background



This preview shows how the CIELCh color 42, 1.274, 271.583 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, 1.274, 271.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

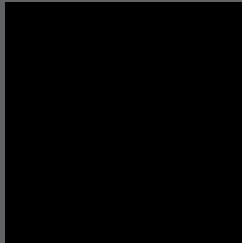
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

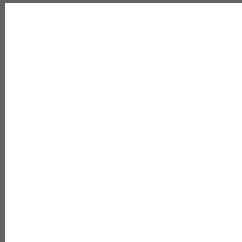
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 1.274, 271.583

Background



This preview shows how black text looks on a background with the CIELCh color 42, 1.274, 271.583.

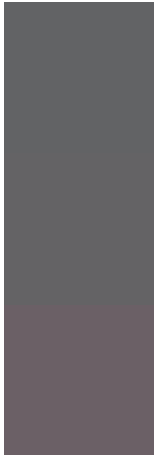


This preview shows how white text looks on a background with the CIELCh color 42, 1.274, 271.583.

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, 1.274, 271.583

Protanopia

42, 1.286, 309.093

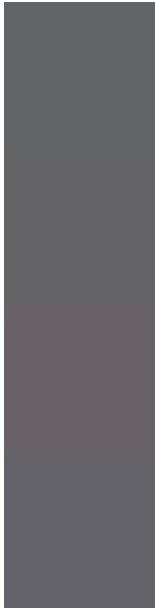
Deuteranopia

42, 5.860, 342.014



Tritanopia
42, 4.866, 295.659

Trichromacy



Original Color

42, 1.274, 271.583

Protanomaly

42, 1.213, 290.389

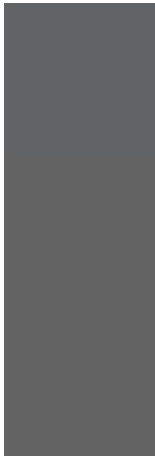
Deuteranomaly

42, 4.211, 334.088

Tritanomaly

42, 3.662, 297.104

Monochromacy



Original Color

42, 1.274, 271.583

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 0.609, 290.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 1.274, 271.583 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, 99, 101)` looks like.

```
.text, #text, p{  
    color:rgb(98, 99, 101)  
}
```

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, 99, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 99, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 1.274, 271.583 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, 99, 101) }
```

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

```
.border{ border-color:rgb(98, 99, 101) }
```

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

Here you see how a box with a 4 pixel rgb(98, 99, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 99, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 99, 101);  
box-shadow:4px 4px 4px 4px rgb(98, 99,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 1.274, 271.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 99, 101) }
```

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

```
.background{ background-color: rgb(98, 99,  
101) }
```

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