

Converting Colors

CIELCh(42, 3.663, 319.047)

Have a look what the booklet for
CIELCh(42, 3.663, 319.047) contains.

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Color

CIELCh(42, 3.462, 318.974)

Conversions

Conversions Part 1

Format	Color
Hex	666267
RGB	102, 98, 103
RGB Percent	40%, 38%, 40%
CMY	0.6006, 0.6163, 0.5967
CMYK	0.01, 0.05, 0.00, 0.60
HSL	288°, 2%, 39%
HSV	288°, 5%, 40%
XYZ	12.2571, 12.5000, 14.5595
YIQ	99.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

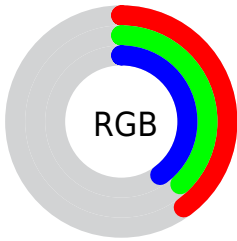
Format	Color
R_{YB}	102, 98, 103
Decimal	6709863
CIE _{Lab}	42.00, 2.61, -2.27
CIE _{LCh}	42, 3.462, 318.974
Yxy	12.5000, 0.3118, 0.3179
Android (android.graphics.Color)	4284899943 (0xFF666267)
YUV	99.7660, 1.5944, 1.9592
Hunter-Lab	35.3553, 0.0113, 0.3328

Details

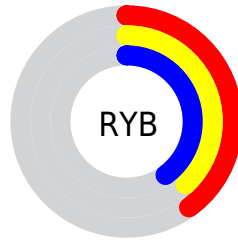
The CIELCh color $42, 3.462, 318.974$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 3.443, 138.643$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 3.218, 318.897$, and $22, 3.030, 317.526$ is the 20% darker color. If you saturate the color by 10%, you get $39, 10.666, 319.414$, and if you desaturate by 10%, it is $45, 3.611, 138.640$.

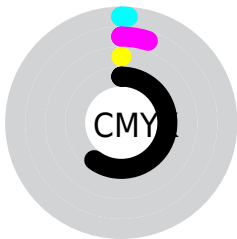
Distribution



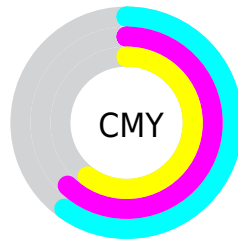
- Red (40%)
- Green (38%)
- Blue (40%)



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



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 3.462, 318.974 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, 3.462, 318.974 by changing the saturation by 10% instead.

■ 42, 3.462, 318.974

■ 42, 3.462, 318.974

■ 100, 3.462,
318.974

■ 32, 3.462, 318.974

■ 62, 3.462, 318.974

■ 22, 3.462, 318.974

■ 72, 3.462, 318.974

■ 12, 3.462, 318.974

■ 82, 3.462, 318.974

■ 2, 3.462, 318.974

■ 92, 3.462, 318.974

■ 0, 3.462, 318.974

■ 42, 3.462, 318.974

■ 42, 3.462, 318.974

■ 39, 10.666,
319.414

■ 45, 3.611, 138.640

■ 36, 17.954,

■ 48, 10.519,
138.231

319.839

52, 17.247,
137.863

33, 25.240,
320.252

55, 23.789,
137.522

30, 32.401,
320.637

58, 30.146,
137.206

27, 39.260,
320.970

61, 36.322,
136.917

25, 45.583,
321.221

64, 42.324,
136.651

23, 51.087,
321.355

68, 48.159,
136.409

21, 55.477,
321.333

71, 53.837,
136.189

20, 58.702,
321.153

Harmonies

Complementary

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



42, 3.462, 318.974



43, 3.443, 138.643

Rectangle

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



42, 3.462, 318.974



42, 3.462, 8.974



42, 3.462, 138.974



42, 3.462, 188.974

Sweetspot

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



42, 3.461, 318.972



55, 0.879, 318.677



42, 2.403, 279.957



28, 0.496, 318.657



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, 3.461, 318.972



53, 5.270, 319.034



42, 3.014, 333.856



20, 2.783, 319.037



22, 65.245, 320.993



49, 113.340, 320.582

Inverse Universe

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



42, 2.182, 3.513



53, 3.331, 3.659



43, 3.000, 153.384



20, 1.759, 3.667



23, 50.471, 26.866



51, 90.191, 30.451

Previews

White Background



This preview shows how the CIELCh color 42, 3.462, 318.974 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, 3.462, 318.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

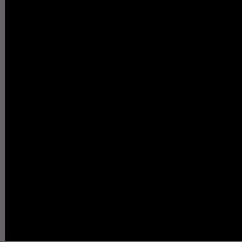
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 3.462, 318.974

Background



This preview shows how black text looks on a background with the CIELCh color 42, 3.462, 318.974.



This preview shows how white text looks on a background with the CIELCh color 42, 3.462, 318.974.

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, 3.462, 318.974

Protanopia

42, 2.460, 300.129

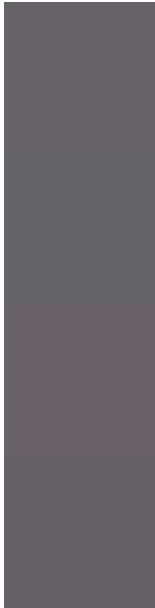
Deuteranopia

42, 6.245, 337.648



Tritanopia
42, 5.281, 313.589

Trichromacy



Original Color

42, 3.462, 318.974

Protanomaly

42, 2.565, 309.199

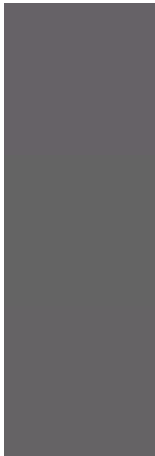
Deuteranomaly

42, 4.933, 332.762

Tritanomaly

42, 4.731, 316.423

Monochromacy



Original Color

42, 3.462, 318.974

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 1.476, 324.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 3.462, 318.974 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(102, 98, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 98, 103)  
}
```

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(102, 98, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 98, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 3.462, 318.974 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(102, 98, 103) }
```

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

```
.border{ border-color:rgb(102, 98, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 98, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 98, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 98, 103); box-shadow:4px 4px 4px 4px rgb(102, 98, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 3.462, 318.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 98, 103) }
```

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

```
.background{ background-color: rgb(102, 98,  
103) }
```

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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