

Converting Colors

CIELCh(42, 9.844, 303.621)

Have a look what the booklet for
CIELCh(42, 9.844, 303.621) contains.

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Color

CIELCh(42, 9.914, 303.069)

Conversions

Conversions Part 1

Format	Color
Hex	666171
RGB	102, 97, 113
RGB Percent	40%, 38%, 44%
CMY	0.6010, 0.6206, 0.5579
CMYK	0.10, 0.14, 0.00, 0.56
HSL	259°, 8%, 41%
HSV	259°, 14%, 44%
XYZ	12.6689, 12.5000, 17.2923
YIQ	100.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

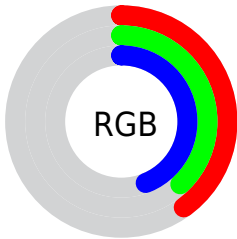
Format	Color
R_{YB}	102, 97, 113
Decimal	6709617
CIE _{Lab}	42.00, 5.41, -8.31
CIE _{LCh}	42, 9.914, 303.069
Yxy	12.5000, 0.2984, 0.2944
Android (android.graphics.Color)	4284899697 (0xFF666171)
YUV	100.3190, 6.2517, 1.4742
Hunter-Lab	35.3553, 2.0903, -4.2500

Details

The CIELCh color **42, 9.914, 303.069** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 9.664, 121.516**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 9.755, 302.187**, and **22, 9.599, 302.490** is the 20% darker color. If you saturate the color by 10%, you get **38, 17.182, 303.723**, and if you desaturate by 10%, it is **46, 2.879, 302.477**.

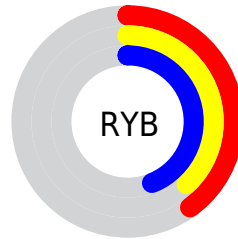
Distribution



Red (40%)

Green (38%)

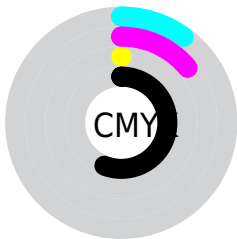
Blue (44%)



Red (40%)

Yellow (38%)

Blue (44%)

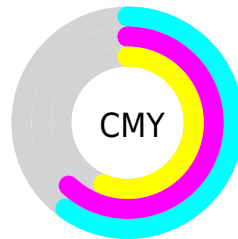


Cyan (10%)

Magenta (14%)

Yellow (0%)

Black (56%)



Cyan (60%)

Magenta (62%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.914, 303.069 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, 9.914, 303.069 by changing the saturation by 10% instead.

■ 42, 9.914, 303.069

■ 42, 9.914, 303.069

■ 100, 9.914,
303.069

■ 32, 9.914, 303.069

■ 62, 9.914, 303.069

■ 22, 9.914, 303.069

■ 72, 9.914, 303.069

■ 12, 9.914, 303.069

■ 82, 9.914, 303.069

■ 2, 9.914, 303.069

■ 92, 9.914, 303.069

■ 0, 9.914, 303.069

■ 42, 9.914, 303.069

■ 42, 9.914, 303.069

■ 38, 17.182,
303.723

■ 46, 2.879, 302.477

■ 34, 24.677,

■ 50, 3.921, 121.987

304.451

54, 10.496,
121.534

30, 32.367,
305.246

58, 16.858,
121.142

27, 40.173,
306.087

61, 23.016,
120.803

23, 47.942,
306.932

65, 28.983,
120.509

20, 55.389,
307.709

69, 34.771,
120.256

17, 62.046,
308.303

73, 40.391,
120.037

14, 67.412,
308.613

76, 45.851,
119.849

13, 70.596,
308.915

Harmonies

Complementary

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



42, 9.914, 303.069



47, 9.664, 121.516

Rectangle

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



42, 9.914, 303.069



42, 9.914, 353.069



42, 9.914, 123.069



42, 9.914, 173.069

Sweetspot

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



42, 9.913, 303.067



58, 3.390, 302.473



45, 5.182, 232.684



30, 2.430, 302.508



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, 9.913, 303.067



52, 14.710, 303.272



43, 10.977, 319.394



21, 3.882, 302.754



14, 73.803, 308.850



35, 126.897, 308.325

Inverse Universe

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



43, 9.355, 335.708



53, 13.834, 335.939



46, 10.901, 138.185



22, 3.681, 335.341



26, 52.786, 344.952



55, 89.193, 346.240

Previews

White Background



This preview shows how the CIELCh color 42, 9.914, 303.069 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 CIELCh color 42, 9.914, 303.069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

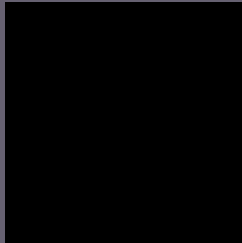
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.914, 303.069

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.914, 303.069.



This preview shows how white text looks on a background with the CIELCh color 42, 9.914, 303.069.

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, 9.914, 303.069

Protanopia

42, 9.695, 287.017

Deuteranopia

42, 9.914, 303.069



Tritanopia
42, 5.008, 304.946

Trichromacy



Original Color
42, 9.914, 303.069

Protanomaly
42, 9.678, 291.599

Deuteranomaly
42, 9.914, 303.069

Tritanomaly
42, 6.186, 302.313

Monochromacy



Original Color
42, 9.914, 303.069

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.728, 303.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.914, 303.069 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, 97, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 97, 113)  
}
```

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, 97, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 97, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.914, 303.069 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, 97, 113) }
```

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

```
.border{ border-color:rgb(102, 97, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 97, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 97, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 97, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 97,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.914, 303.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 97, 113) }
```

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

```
.background{ background-color: rgb(102, 97,  
113) }
```

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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