

Converting Colors

CIELCh(42, 1.972, 309.726)

Have a look what the booklet for
CIELCh(42, 1.972, 309.726) contains.

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Color

CIELCh(42, 1.868, 303.176)

Conversions

Conversions Part 1

Format	Color
Hex	646366
RGB	100, 99, 102
RGB Percent	39%, 39%, 40%
CMY	0.6092, 0.6131, 0.6014
CMYK	0.02, 0.03, 0.00, 0.60
HSL	260°, 1%, 39%
HSV	260°, 3%, 40%
XYZ	12.0272, 12.5000, 14.2588
YIQ	99.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

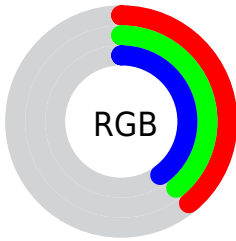
Format	Color
R_{YB}	100, 99, 102
Decimal	6579046
CIE _{Lab}	42.00, 1.02, -1.56
CIE _{LCh}	42, 1.868, 303.176
Yxy	12.5000, 0.3101, 0.3223
Android (android.graphics.Color)	4284769126 (0xFF646366)
YUV	99.6410, 1.1630, 0.3148
Hunter-Lab	35.3553, -1.1496, 0.8371

Details

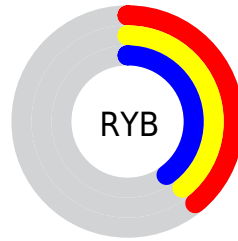
The CIELCh color **42, 1.868, 303.176** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 1.847, 122.906**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 1.736, 303.122**, and **22, 1.344, 290.498** is the 20% darker color. If you saturate the color by 10%, you get **38, 8.314, 303.722**, and if you desaturate by 10%, it is **46, 4.372, 122.708**.

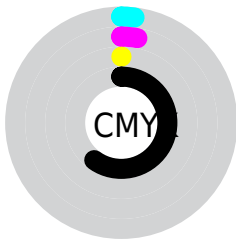
Distribution



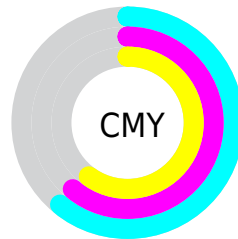
- Red (39%)
- Green (39%)
- Blue (40%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 1.868, 303.176 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, 1.868, 303.176 by changing the saturation by 10% instead.

■ 42, 1.868, 303.176

■ 42, 1.868, 303.176

■ 100, 1.868,
303.176

■ 32, 1.868, 303.176

■ 62, 1.868, 303.176

■ 22, 1.868, 303.176

■ 72, 1.868, 303.176

■ 12, 1.868, 303.176

■ 82, 1.868, 303.176

■ 2, 1.868, 303.176

■ 92, 1.868, 303.176

■ 0, 1.868, 303.176

■ 42, 1.868, 303.176

■ 42, 1.868, 303.176

■ 38, 8.314, 303.722

■ 46, 4.372, 122.708

■ 35, 14.972,
304.335

■ 49, 10.410,
122.281

■ 31, 21.831,
305.014

■ 53, 16.255,
121.911

■ 28, 28.865,
305.752

■ 56, 21.918,
121.589

■ 24, 36.008,
306.532

■ 60, 27.409,
121.309

■ 21, 43.134,
307.318

■ 63, 32.737,
121.068

■ 18, 50.011,
308.047

■ 66, 37.913,
120.859

■ 15, 56.261,
308.621

■ 70, 42.946,
120.680

■ 13, 61.452,
308.943

■ 73, 47.844,
120.526

Harmonies

Complementary

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



42, 1.868, 303.176



43, 1.847, 122.906

Rectangle

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



42, 1.868, 303.176



42, 1.868, 353.176



42, 1.868, 123.176



42, 1.868, 173.176

Sweetspot

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



42, 1.867, 303.161



55, 0.790, 303.028



43, 1.012, 234.133



28, 0.446, 303.018



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, 1.867, 303.161



54, 3.154, 303.227



42, 2.088, 319.368



20, 1.785, 303.246



14, 71.240, 309.199



34, 124.440, 308.617

Inverse Universe

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



42, 1.746, 335.718



54, 2.948, 335.828



43, 2.075, 139.247



20, 1.668, 335.858



24, 50.594, 346.323



54, 86.741, 347.828

Previews

White Background



This preview shows how the CIELCh color 42, 1.868, 303.176 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, 1.868, 303.176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

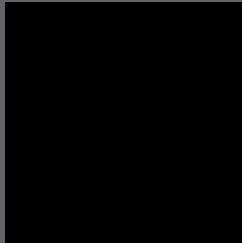
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

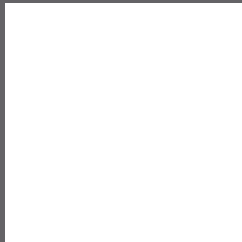
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 1.868, 303.176

Background



This preview shows how black text looks on a background with the CIELCh color 42, 1.868, 303.176.



This preview shows how white text looks on a background with the CIELCh color 42, 1.868, 303.176.

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, 1.868, 303.176

Protanopia

42, 1.868, 303.176

Deuteranopia

42, 5.860, 342.014



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color

42, 1.868, 303.176

Protanomaly

42, 1.868, 303.176

Deuteranomaly

42, 4.211, 334.088

Tritanomaly

42, 3.734, 303.334

Monochromacy



Original Color

42, 1.868, 303.176

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, 1.868, 303.176 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(100, 99, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 102)  
}
```

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(100, 99, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 1.868, 303.176 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(100, 99, 102) }
```

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

```
.border{ border-color:rgb(100, 99, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 99, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 1.868, 303.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 102) }
```

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

```
.background{ background-color: rgb(100, 99,  
102) }
```

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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