

Converting Colors

CIELCh(42, 3.194, 298.315)

Have a look what the booklet for
CIELCh(42, 3.194, 298.315) contains.

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Color

CIELCh(42, 3.734, 303.334)

Conversions

Conversions Part 1

Format	Color
Hex	646268
RGB	100, 98, 104
RGB Percent	39%, 38%, 41%
CMY	0.6070, 0.6149, 0.5913
CMYK	0.04, 0.06, 0.00, 0.59
HSL	260°, 3%, 40%
HSV	260°, 6%, 41%
XYZ	12.1758, 12.5000, 14.9243
YIQ	99.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

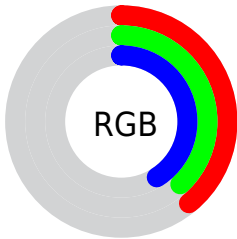
Format	Color
R _Y B	100, 98, 104
Decimal	6578792
CIE Lab	42.00, 2.05, -3.12
CIE LCh	42, 3.734, 303.334
Yxy	12.5000, 0.3075, 0.3157
Android (android.graphics.Color)	4284768872 (0xFF646268)
YUV	99.2820, 2.3260, 0.6297
Hunter-Lab	35.3553, -0.3992, -0.2790

Details

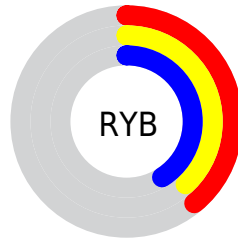
The CIELCh color **42, 3.734, 303.334** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 3.687, 122.763**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 3.468, 303.238**, and **22, 3.400, 298.519** is the 20% darker color. If you saturate the color by 10%, you get **38, 10.375, 303.899**, and if you desaturate by 10%, it is **46, 2.695, 122.851**.

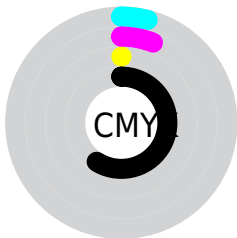
Distribution



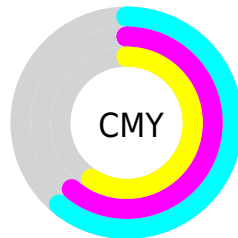
- Red (39%)
- Green (38%)
- Blue (41%)



- Red (39%)
- Yellow (38%)
- Blue (41%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (59%)



- Cyan (61%)
- Magenta (61%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 3.734, 303.334 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, 3.734, 303.334 by changing the saturation by 10% instead.

■ 42, 3.734, 303.334

■ 42, 3.734, 303.334

■ 100, 3.734,
303.334

■ 32, 3.734, 303.334

■ 62, 3.734, 303.334

■ 22, 3.734, 303.334

■ 72, 3.734, 303.334

■ 12, 3.734, 303.334

■ 82, 3.734, 303.334

■ 2, 3.734, 303.334

■ 92, 3.734, 303.334

■ 0, 3.734, 303.334

■ 42, 3.734, 303.334

■ 42, 3.734, 303.334

■ 38, 10.375,
303.899

■ 46, 2.695, 122.851

■ 35, 17.232,

■ 49, 8.914, 122.402

304.533

53, 14.934,
122.016

31, 24.289,
305.231

56, 20.764,
121.681

28, 31.509,
305.986

60, 26.415,
121.390

24, 38.812,
306.775

63, 31.897,
121.138

21, 46.040,
307.553

67, 37.220,
120.920

18, 52.915,
308.249

70, 42.395,
120.733

15, 58.995,
308.750

74, 47.429,
120.573

13, 64.093,
309.057

Harmonies

Complementary

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



42, 3.734, 303.334



44, 3.687, 122.763

Rectangle

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



42, 3.734, 303.334



42, 3.734, 353.334



42, 3.734, 123.334



42, 3.734, 173.334

Sweetspot

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



42, 3.733, 303.327



55, 1.600, 303.116



43, 2.005, 234.202



29, 0.917, 303.105



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 3.733, 303.327



53, 5.630, 303.406



42, 4.168, 319.516



20, 2.866, 303.402



14, 71.236, 309.203



34, 124.434, 308.621

Inverse Universe

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



42, 3.485, 335.973



54, 5.251, 336.081



44, 4.148, 139.093



20, 2.674, 336.075



24, 50.587, 346.340



54, 86.729, 347.846

Previews

White Background



This preview shows how the CIELCh color 42, 3.734, 303.334 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, 3.734, 303.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

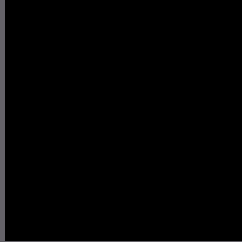
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

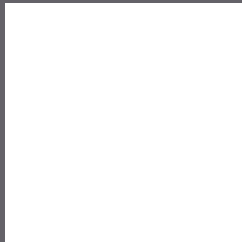
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 3.734, 303.334

Background



This preview shows how black text looks on a background with the CIELCh color 42, 3.734, 303.334.



This preview shows how white text looks on a background with the CIELCh color 42, 3.734, 303.334.

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, 3.734, 303.334

Protanopia

42, 3.662, 297.104

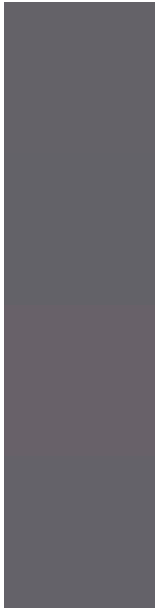
Deuteranopia

42, 6.852, 327.758



Tritanopia
42, 4.921, 300.359

Trichromacy



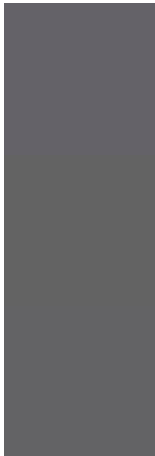
Original Color
42, 3.734, 303.334

Protanomaly
42, 3.662, 297.104

Deuteranomaly
42, 5.654, 321.317

Tritanomaly
42, 4.326, 301.631

Monochromacy



Original Color
42, 3.734, 303.334

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 1.213, 290.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 3.734, 303.334 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, 98, 104)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 104)  
}
```

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, 98, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 3.734, 303.334 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, 98, 104) }
```

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

```
.border{ border-color:rgb(100, 98, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 98, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 104);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 3.734, 303.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 98, 104) }
```

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

```
.background{ background-color: rgb(100, 98,  
104) }
```

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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