

Converting Colors

CIELCh(42, 4.627, 303.196)

Have a look what the booklet for
CIELCh(42, 4.627, 303.196) contains.

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Color

CIELCh(42, 4.326, 301.631)

Conversions

Conversions Part 1

Format	Color
Hex	646269
RGB	100, 98, 105
RGB Percent	39%, 38%, 41%
CMY	0.6073, 0.6152, 0.5877
CMYK	0.05, 0.07, 0.00, 0.59
HSL	257°, 3%, 40%
HSV	257°, 7%, 41%
XYZ	12.2073, 12.5000, 15.1704
YIQ	99.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

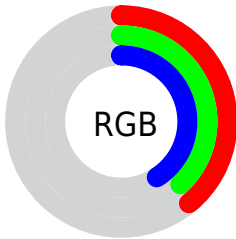
Format	Color
R _Y B	100, 98, 105
Decimal	6578793
CIE Lab	42.00, 2.27, -3.68
CIE LCh	42, 4.326, 301.631
Yxy	12.5000, 0.3061, 0.3135
Android (android.graphics.Color)	4284768873 (0xFF646269)
YUV	99.3960, 2.7628, 0.5297
Hunter-Lab	35.3553, -0.2404, -0.6916

Details

The CIELCh color **42, 4.326, 301.631** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.265, 120.902**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 4.017, 301.513**, and **22, 4.067, 297.376** is the 20% darker color. If you saturate the color by 10%, you get **38, 10.998, 302.252**, and if you desaturate by 10%, it is **46, 2.125, 121.095**.

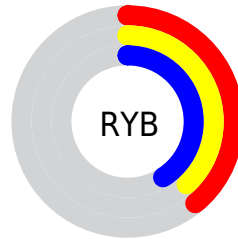
Distribution



Red (39%)

Green (38%)

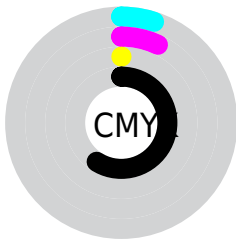
Blue (41%)



Red (39%)

Yellow (38%)

Blue (41%)

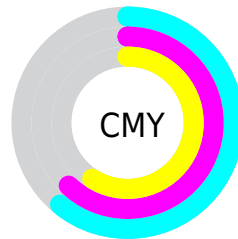


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (59%)



Cyan (61%)

Magenta (62%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 4.326, 301.631 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, 4.326, 301.631 by changing the saturation by 10% instead.

■ 42, 4.326, 301.631

■ 42, 4.326, 301.631

100, 4.326,
301.631

■ 32, 4.326, 301.631

■ 62, 4.326, 301.631

■ 22, 4.326, 301.631

■ 72, 4.326, 301.631

■ 12, 4.326, 301.631

■ 82, 4.326, 301.631

■ 2, 4.326, 301.631

■ 92, 4.326, 301.631

■ 0, 4.326, 301.631

■ 42, 4.326, 301.631

■ 42, 4.326, 301.631

■ 38, 10.998,
302.252

■ 46, 2.125, 121.095

■ 35, 17.897,

■ 49, 8.359, 120.606

302.956

53, 14.389,
120.186

31, 25.012,
303.740

57, 20.225,
119.822

27, 32.312,
304.596

60, 25.879,
119.507

24, 39.717,
305.502

64, 31.362,
119.234

20, 47.069,
306.412

67, 36.683,
118.999

17, 54.073,
307.246

71, 41.854,
118.796

14, 60.251,
307.878

74, 46.882,
118.621

12, 65.507,
308.352

Harmonies

Complementary

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



42, 4.326, 301.631



44, 4.265, 120.902

Rectangle

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



42, 4.326, 301.631



42, 4.326, 351.631



42, 4.326, 121.631



42, 4.326, 171.631

Sweetspot

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



42, 4.325, 301.625



56, 1.614, 301.349



43, 2.336, 230.038



29, 0.911, 301.338



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, 4.325, 301.625



54, 6.501, 301.719



42, 4.813, 318.556



20, 3.719, 301.764



13, 72.996, 308.505



34, 126.467, 307.992

Inverse Universe

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



42, 4.204, 334.078



54, 6.310, 334.188



44, 4.787, 138.059



21, 3.608, 334.239



25, 52.888, 343.040



55, 90.042, 344.196

Previews

White Background



This preview shows how the CIELCh color 42, 4.326, 301.631 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, 4.326, 301.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

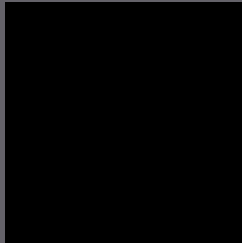
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

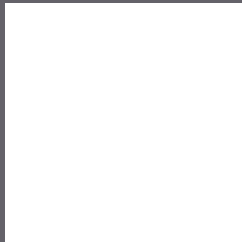
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 4.326, 301.631

Background



This preview shows how black text looks on a background with the CIELCh color 42, 4.326, 301.631.



This preview shows how white text looks on a background with the CIELCh color 42, 4.326, 301.631.

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, 4.326, 301.631

Protanopia

42, 4.263, 296.267

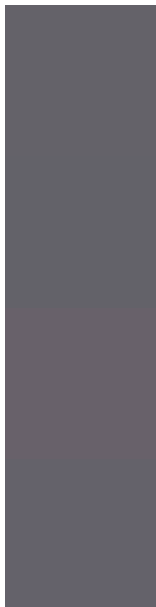
Deuteranopia

42, 7.338, 324.906



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color

42, 4.326, 301.631

Protanomaly

42, 4.263, 296.267

Deuteranomaly

42, 6.178, 318.468

Tritanomaly

42, 4.921, 300.359

Monochromacy



Original Color

42, 4.326, 301.631

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 1.868, 303.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 4.326, 301.631 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 98, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 98, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 4.326, 301.631 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, 105) }
```

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

```
.border{ border-color:rgb(100, 98, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 98, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 98, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 98,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 4.326, 301.631 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, 105) }
```

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

```
.background{ background-color: rgb(100, 98,  
105) }
```

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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