

Converting Colors

CIELCh(42, 4.623, 331.780)

Have a look what the booklet for
CIELCh(42, 4.623, 331.780) contains.

CIELCh(42, 4.663, 328.946)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 4.663, 328.946)

Conversions

Conversions Part 1

Format	Color
Hex	686167
RGB	104, 97, 103
RGB Percent	41%, 38%, 40%
CMY	0.5917, 0.6192, 0.5957
CMYK	0.00, 0.07, 0.01, 0.59
HSL	309°, 3%, 39%
HSV	309°, 7%, 41%
XYZ	12.4596, 12.5000, 14.6163
YIQ	99.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

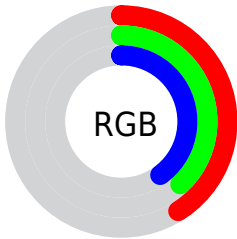
Format	Color
R_{YB}	104, 97, 103
Decimal	6840679
CIE _{Lab}	42.00, 3.99, -2.41
CIE _{LCh}	42, 4.663, 328.946
Yxy	12.5000, 0.3148, 0.3158
Android (android.graphics.Color)	4285030759 (0xFF686167)
YUV	99.7770, 1.5889, 3.7036
Hunter-Lab	35.3553, 1.0332, 0.2375

Details

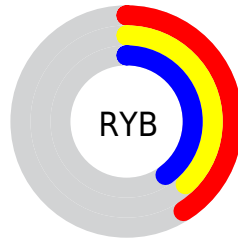
The CIELCh color **42, 4.663, 328.946** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 4.648, 148.266**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 4.335, 328.816**, and **22, 4.358, 329.907** is the 20% darker color. If you saturate the color by 10%, you get **39, 11.656, 329.537**, and if you desaturate by 10%, it is **45, 2.244, 148.517**.

Distribution



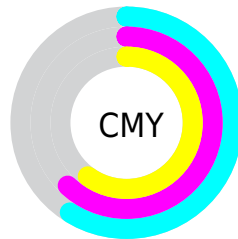
- Red (41%)
- Green (38%)
- Blue (40%)



- Red (41%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (59%)



- Cyan (59%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 4.663, 328.946 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, 4.663, 328.946 by changing the saturation by 10% instead.

■ 42, 4.663, 328.946

■ 42, 4.663, 328.946

■ 100, 4.663,
328.946

■ 32, 4.663, 328.946

■ 62, 4.663, 328.946

■ 22, 4.663, 328.946

■ 72, 4.663, 328.946

■ 12, 4.663, 328.946

■ 82, 4.663, 328.946

■ 2, 4.663, 328.946

■ 92, 4.663, 328.946

■ 0, 4.663, 328.946

■ 42, 4.663, 328.946

■ 42, 4.663, 328.946

■ 39, 11.656,
329.537

■ 45, 2.244, 148.517

■ 36, 18.659,

■ 48, 9.010, 147.925

330.121

51, 15.606,
147.408

33, 25.550,
330.710

54, 22.018,
146.918

31, 32.161,
331.300

58, 28.241,
146.453

29, 38.276,
331.890

61, 34.279,
146.014

27, 43.640,
332.478

64, 40.138,
145.598

25, 47.984,
333.068

67, 45.827,
145.206

24, 51.084,
333.669

70, 51.355,
144.837

23, 53.133,
334.284

Harmonies

Complementary

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



42, 4.663, 328.946



43, 4.648, 148.266

Rectangle

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



42, 4.663, 328.946



42, 4.663, 18.946



42, 4.663, 148.946



42, 4.663, 198.946

Sweetspot

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



42, 4.662, 328.947



56, 1.716, 328.599



41, 4.267, 295.909



29, 0.983, 328.578



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, 4.662, 328.947



53, 6.879, 329.038



42, 3.324, 352.000



20, 3.832, 329.079



25, 57.582, 334.560



56, 99.219, 335.009

Inverse Universe

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



42, 4.662, 328.947



53, 6.879, 329.038



43, 3.273, 171.029



20, 3.832, 329.079



25, 57.582, 334.560



56, 99.219, 335.009

Previews

White Background



This preview shows how the CIELCh color 42, 4.663, 328.946 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, 4.663, 328.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

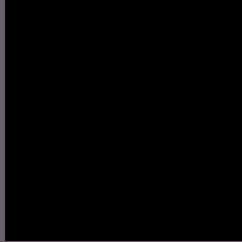
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 4.663, 328.946

Background



This preview shows how black text looks on a background with the CIELCh color 42, 4.663, 328.946.



This preview shows how white text looks on a background with the CIELCh color 42, 4.663, 328.946.

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, 4.663, 328.946

Protanopia

42, 3.024, 290.637

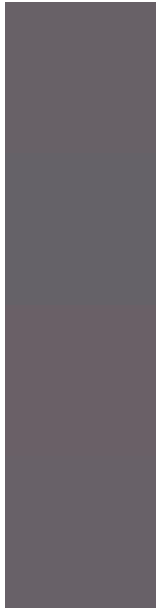
Deuteranopia

42, 6.245, 337.648



Tritanopia
42, 5.654, 321.317

Trichromacy



Original Color

42, 4.663, 328.946

Protanomaly

42, 3.849, 309.287

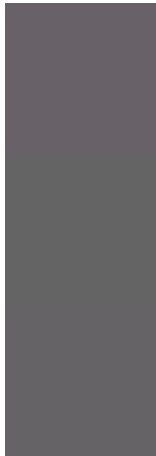
Deuteranomaly

42, 5.947, 334.855

Tritanomaly

42, 5.146, 324.756

Monochromacy



Original Color

42, 4.663, 328.946

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, 4.663, 328.946 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(104, 97, 103)` looks like.

```
.text, #text, p{  
    color:rgb(104, 97, 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(104, 97, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 97, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 4.663, 328.946 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(104, 97, 103) }
```

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

```
.border{ border-color:rgb(104, 97, 103) }
```

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

Here you see how a box with a 4 pixel rgb(104, 97, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 97, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 97, 103);  
box-shadow:4px 4px 4px 4px rgb(104, 97,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 4.663, 328.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 97, 103) }
```

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

```
.background{ background-color: rgb(104, 97,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor