

Converting Colors

CIELCh(42, 8.203, 308.405)

Have a look what the booklet for
CIELCh(42, 8.203, 308.405) contains.

CIELCh(42, 8.259, 308.231)	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, 8.259, 308.231)

Conversions

Conversions Part 1

Format	Color
Hex	67616E
RGB	103, 97, 110
RGB Percent	40%, 38%, 43%
CMY	0.5969, 0.6205, 0.5695
CMYK	0.06, 0.12, 0.00, 0.57
HSL	268°, 6%, 41%
HSV	268°, 12%, 43%
XYZ	12.6245, 12.5000, 16.4349
YIQ	100.2760, -0.5970, 5.3150

Conversions

Conversions Part 2

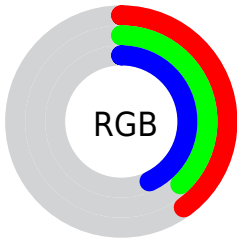
Format	Color
R _{YB}	103, 97, 110
Decimal	6775150
CIE Lab	42.00, 5.11, -6.49
CIE LCh	42, 8.259, 308.231
Yxy	12.5000, 0.3038, 0.3008
Android (android.graphics.Color)	4284965230 (0xFF67616E)
YUV	100.2760, 4.7939, 2.3889
Hunter-Lab	35.3553, 1.8662, -2.8122

Details

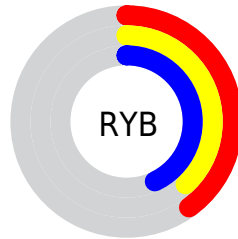
The CIELCh color **42, 8.259, 308.231** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 8.119, 127.206**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 8.210, 306.935**, and **22, 7.746, 308.207** is the 20% darker color. If you saturate the color by 10%, you get **38, 15.446, 308.724**, and if you desaturate by 10%, it is **46, 1.267, 307.735**.

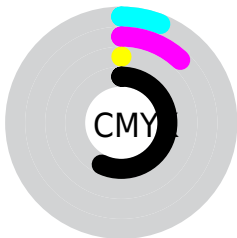
Distribution



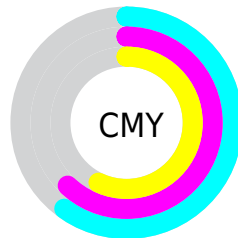
- Red (40%)
- Green (38%)
- Blue (43%)



- Red (40%)
- Yellow (38%)
- Blue (43%)



- Cyan (6%)
- Magenta (12%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (62%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 8.259, 308.231 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, 8.259, 308.231 by changing the saturation by 10% instead.

■ 42, 8.259, 308.231

■ 42, 8.259, 308.231

■ 100, 8.259,
308.231

■ 32, 8.259, 308.231

■ 62, 8.259, 308.231

■ 22, 8.259, 308.231

■ 72, 8.259, 308.231

■ 12, 8.259, 308.231

■ 82, 8.259, 308.231

■ 2, 8.259, 308.231

■ 92, 8.259, 308.231

■ 0, 8.259, 308.231

■ 42, 8.259, 308.231

■ 42, 8.259, 308.231

■ 38, 15.446,
308.724

■ 46, 1.267, 307.735

■ 35, 22.808,

■ 49, 5.517, 127.398

309.255

53, 12.097,
127.031

31, 30.295,
309.811

57, 18.477,
126.711

28, 37.815,
310.369

60, 24.665,
126.431

24, 45.204,
310.894

64, 30.670,
126.186

21, 52.203,
311.325

67, 36.503,
125.973

18, 58.426,
311.580

71, 42.172,
125.789

16, 63.400,
311.557

74, 47.688,
125.630

14, 67.265,
311.588

Harmonies

Complementary

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



42, 8.259, 308.231



45, 8.119, 127.206

Rectangle

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



42, 8.259, 308.231



42, 8.259, 358.231



42, 8.259, 128.231



42, 8.259, 178.231

Sweetspot

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



42, 8.258, 308.229



58, 3.428, 307.863



44, 4.461, 251.270



29, 2.421, 307.892



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 8.258, 308.229



53, 12.162, 308.351



43, 9.343, 323.658



21, 3.979, 308.096



16, 71.686, 311.480



38, 123.203, 310.854

Inverse Universe

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



42, 6.869, 342.503



54, 10.106, 342.716



45, 9.322, 142.492



22, 3.313, 342.267



25, 49.152, 356.833



54, 83.330, 359.164

Previews

White Background



This preview shows how the CIELCh color 42, 8.259, 308.231 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, 8.259, 308.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

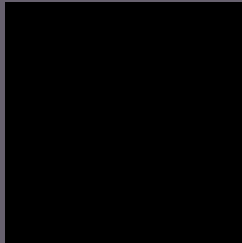
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 8.259, 308.231

Background



This preview shows how black text looks on a background with the CIELCh color 42, 8.259, 308.231.



This preview shows how white text looks on a background with the CIELCh color 42, 8.259, 308.231.

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, 8.259, 308.231

Protanopia

42, 7.869, 288.475

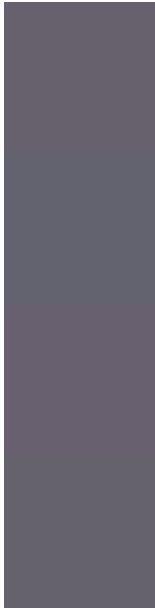
Deuteranopia

42, 9.107, 312.029



Tritanopia
42, 4.558, 311.767

Trichromacy



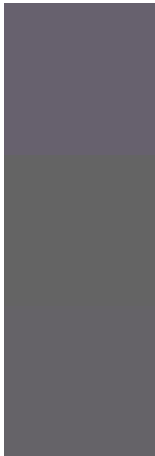
Original Color
42, 8.259, 308.231

Protanomaly
42, 7.881, 294.213

Deuteranomaly
42, 9.107, 312.029

Tritanomaly
42, 5.700, 307.467

Monochromacy



Original Color
42, 8.259, 308.231

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.142, 305.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 8.259, 308.231 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(103, 97, 110)` looks like.

```
.text, #text, p{  
    color:rgb(103, 97, 110)  
}
```

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(103, 97, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 97, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 8.259, 308.231 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(103, 97, 110) }
```

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

```
.border{ border-color:rgb(103, 97, 110) }
```

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

Here you see how a box with a 4 pixel rgb(103, 97, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 97, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 97, 110);  
box-shadow:4px 4px 4px 4px rgb(103, 97,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 8.259, 308.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 97, 110) }
```

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

```
.background{ background-color: rgb(103, 97,  
110) }
```

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