

Converting Colors

CIELCh(42, 6.389, 305.058)

Have a look what the booklet for
CIELCh(42, 6.389, 305.058) contains.

CIELCh(42, 6.877, 304.677)	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, 6.877, 304.677)

Conversions

Conversions Part 1

Format	Color
Hex	65616C
RGB	101, 97, 108
RGB Percent	40%, 38%, 42%
CMY	0.6024, 0.6181, 0.5749
CMYK	0.06, 0.10, 0.00, 0.57
HSL	262°, 5%, 40%
HSV	262°, 10%, 43%
XYZ	12.4475, 12.5000, 16.0526
YIQ	99.4500, -1.1470, 4.2690

Conversions

Conversions Part 2

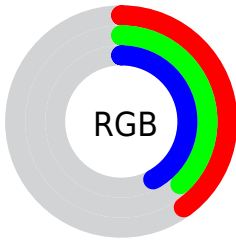
Format	Color
R_{YB}	101, 97, 108
Decimal	6644076
CIE Lab	42.00, 3.91, -5.66
CIE LCh	42, 6.877, 304.677
Yxy	12.5000, 0.3036, 0.3049
Android (android.graphics.Color)	4284834156 (0xFF65616C)
YUV	99.4500, 4.2151, 1.3593
Hunter-Lab	35.3553, 0.9723, -2.1711

Details

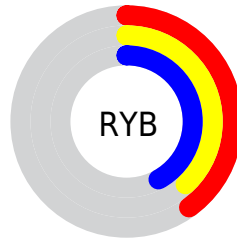
The CIELCh color $42, 6.877, 304.677$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 6.757, 123.681$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 6.385, 304.517$, and $22, 6.883, 302.671$ is the 20% darker color. If you saturate the color by 10%, you get $38, 13.861, 305.243$, and if you desaturate by 10%, it is $46, 0.108, 303.754$.

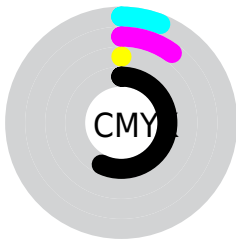
Distribution



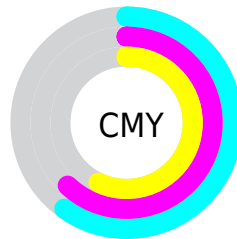
- Red (40%)
- Green (38%)
- Blue (42%)



- Red (40%)
- Yellow (38%)
- Blue (42%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (57%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.877, 304.677 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, 6.877, 304.677 by changing the saturation by 10% instead.

■ 42, 6.877, 304.677

■ 42, 6.877, 304.677

■ 100, 6.877,
304.677

■ 32, 6.877, 304.677

■ 62, 6.877, 304.677

■ 22, 6.877, 304.677

■ 72, 6.877, 304.677

■ 12, 6.877, 304.677

■ 82, 6.877, 304.677

■ 2, 6.877, 304.677

■ 92, 6.877, 304.677

■ 0, 6.877, 304.677

■ 42, 6.877, 304.677

■ 42, 6.877, 304.677

■ 38, 13.861,
305.243

■ 46, 0.108, 303.754

■ 35, 21.056,

■ 49, 6.443, 123.736

305.870

53, 12.785,
123.340

31, 28.432,
306.551

57, 18.927,
122.996

27, 35.927,
307.269

60, 24.879,
122.697

24, 43.418,
307.992

64, 30.652,
122.438

20, 50.684,
308.665

68, 36.256,
122.214

17, 57.361,
309.197

71, 41.702,
122.021

15, 62.928,
309.467

75, 46.997,
121.856

13, 67.964,
309.755

Harmonies

Complementary

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



42, 6.877, 304.677



45, 6.757, 123.681

Rectangle

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



42, 6.877, 304.677



42, 6.877, 354.677



42, 6.877, 124.677



42, 6.877, 174.677

Sweetspot

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



42, 6.876, 304.674



57, 2.487, 304.295



44, 3.635, 238.760



29, 1.901, 304.333



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, 6.876, 304.674



53, 10.073, 304.792



42, 7.691, 320.707



20, 3.761, 304.609



14, 71.971, 309.663



35, 124.718, 309.072

Inverse Universe

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



43, 6.233, 337.637



54, 9.117, 337.798



45, 7.657, 139.837



21, 3.412, 337.547



25, 50.500, 348.687



54, 85.954, 350.361

Previews

White Background



This preview shows how the CIELCh color 42, 6.877, 304.677 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, 6.877, 304.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

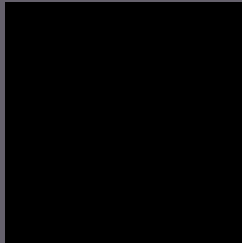
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

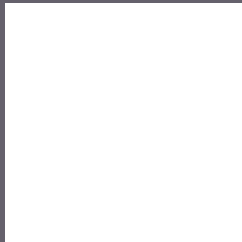
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 42, 6.877, 304.677

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.877, 304.677.



This preview shows how white text looks on a background with the CIELCh color 42, 6.877, 304.677.

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, 6.877, 304.677

Protanopia

42, 6.657, 291.166

Deuteranopia

42, 8.547, 313.455



Tritanopia
42, 5.008, 304.946

Trichromacy



Original Color

42, 6.877, 304.677

Protanomaly

42, 6.674, 294.588

Deuteranomaly

42, 7.685, 309.526

Tritanomaly

42, 5.595, 303.482

Monochromacy



Original Color

42, 6.877, 304.677

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 2.565, 309.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 6.877, 304.677 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(101, 97, 108)` looks like.

```
.text, #text, p{  
    color:rgb(101, 97, 108)  
}
```

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(101, 97, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 97, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.877, 304.677 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(101, 97, 108) }
```

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

```
.border{ border-color:rgb(101, 97, 108) }
```

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

Here you see how a box with a 4 pixel rgb(101, 97, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 97, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 97, 108);  
box-shadow:4px 4px 4px 4px rgb(101, 97,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.877, 304.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 97, 108) }
```

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

```
.background{ background-color: rgb(101, 97,  
108) }
```

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