

Converting Colors

CIELCh(42, 12.859, 305.082)

Have a look what the booklet for
CIELCh(42, 12.859, 305.082)
contains.

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Color

CIELCh(42, 12.461, 304.599)

Conversions

Conversions Part 1

Format	Color
Hex	676074
RGB	103, 96, 116
RGB Percent	40%, 38%, 45%
CMY	0.5962, 0.6237, 0.5453
CMYK	0.11, 0.17, 0.00, 0.55
HSL	261°, 9%, 42%
HSV	261°, 17%, 45%
XYZ	12.9185, 12.5000, 18.2428
YIQ	100.3730, -2.2480, 7.7040

Conversions

Conversions Part 2

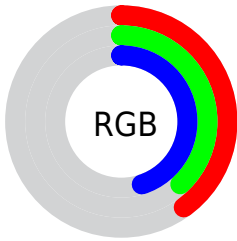
Format	Color
R_{YB}	103, 96, 116
Decimal	6774900
CIE _{Lab}	42.00, 7.08, -10.26
CIE _{LCh}	42, 12.461, 304.599
Yxy	12.5000, 0.2959, 0.2863
Android (android.graphics.Color)	4284964980 (0xFF676074)
YUV	100.3730, 7.7041, 2.3039
Hunter-Lab	35.3553, 3.3503, -5.8440

Details

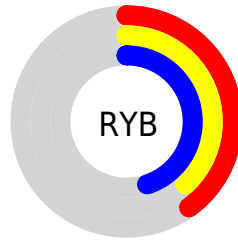
The CIELCh color **42, 12.461, 304.599** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 12.099, 122.795**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 12.766, 304.869**, and **22, 12.415, 304.482** is the 20% darker color. If you saturate the color by 10%, you get **38, 19.997, 305.230**, and if you desaturate by 10%, it is **46, 5.153, 304.027**.

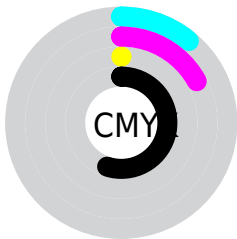
Distribution



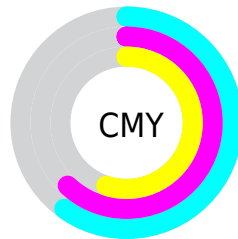
- Red (40%)
- Green (38%)
- Blue (45%)



- Red (40%)
- Yellow (38%)
- Blue (45%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (55%)




- Cyan (60%)
- Magenta (62%)
- Yellow (55%)
- Black (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 12.461, 304.599 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, 12.461, 304.599 by changing the saturation by 10% instead.

 42, 12.461,
304.599


 42, 12.461,
304.599


 100, 12.461,
304.599


 32, 12.461,
304.599

 62, 12.461,
304.599


 22, 12.461,
304.599

 72, 12.461,
304.599


 12, 12.461,
304.599


 82, 12.461,
304.599

 2, 12.461, 304.599

 92, 12.461,
304.599

 0, 12.461, 304.599

 42, 12.461,

 42, 12.461,

304.599

■ 38, 19.997,
305.230

■ 34, 27.744,
305.923

■ 30, 35.649,
306.664

■ 26, 43.602,
307.425

■ 23, 51.401,
308.157

■ 20, 58.696,
308.776

■ 17, 64.958,
309.161

■ 15, 70.055,
309.337

304.599

■ 46, 5.153, 304.027

■ 50, 1.919, 123.556

■ 54, 8.761, 123.097

■ 58, 15.382,
122.708

■ 62, 21.792,
122.370

■ 65, 28.004,
122.078

■ 69, 34.028,
121.825

■ 73, 39.876,
121.607

■ 77, 45.558,

■ 14, 71.557,
309.453

121.419

Harmonies

Complementary

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



42, 12.461, 304.599



48, 12.099, 122.795

Rectangle

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



42, 12.461, 304.599



42, 12.461, 354.599



42, 12.461, 124.599



42, 12.461, 174.599

Sweetspot

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



42, 12.460, 304.598



60, 4.389, 303.911



45, 6.421, 237.327



31, 3.020, 303.942



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 12.460, 304.598



52, 18.909, 304.861



43, 13.813, 320.535



22, 4.052, 304.125



15, 74.431, 309.394



36, 127.027, 308.851

Inverse Universe

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



43, 11.358, 337.563



54, 17.158, 337.890



47, 13.721, 138.985



23, 3.720, 336.954



26, 52.404, 347.767



55, 87.925, 349.260

Previews

White Background



This preview shows how the CIELCh color 42, 12.461, 304.599 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, 12.461, 304.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

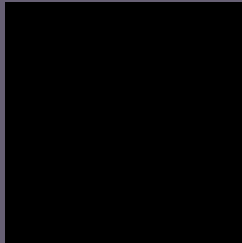
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 12.461, 304.599

Background



This preview shows how black text looks on a background with the CIELCh color 42, 12.461, 304.599.

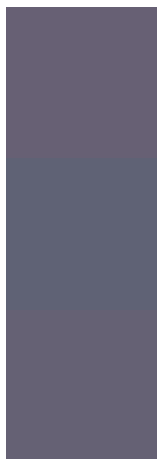


This preview shows how white text looks on a background with the CIELCh color 42, 12.461, 304.599.

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, 12.461, 304.599

Protanopia

42, 11.524, 286.161

Deuteranopia

42, 11.631, 299.537



Tritanopia
42, 4.425, 306.821

Trichromacy



Original Color
42, 12.461, 304.599

Protanomaly
42, 12.125, 293.770

Deuteranomaly
42, 11.693, 301.440

Tritanomaly
42, 7.566, 306.614

Monochromacy



Original Color
42, 12.461, 304.599

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 4.318, 301.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 12.461, 304.599 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, 96, 116)` looks like.

```
.text, #text, p{  
    color:rgb(103, 96, 116)  
}
```

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, 96, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 96, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 12.461, 304.599 is called "border". The border property can be set on classes, ids or directly on the HTML element.

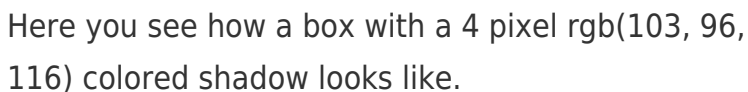
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 96, 116) }
```

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

```
.border{ border-color:rgb(103, 96, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 96, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 96, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 96, 116); box-shadow:4px 4px 4px 4px rgb(103, 96, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 12.461, 304.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 96, 116) }
```

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

```
.background{ background-color: rgb(103, 96,  
116) }
```

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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