

Converting Colors

CIELCh(42, 9.857, 300.808)

Have a look what the booklet for
CIELCh(42, 9.857, 300.808) contains.

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Color

CIELCh(42, 9.840, 300.805)

Conversions

Conversions Part 1

Format	Color
Hex	656171
RGB	101, 97, 113
RGB Percent	40%, 38%, 44%
CMY	0.6040, 0.6197, 0.5570
CMYK	0.11, 0.14, 0.00, 0.56
HSL	255°, 8%, 41%
HSV	255°, 14%, 44%
XYZ	12.6139, 12.5000, 17.3612
YIQ	100.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

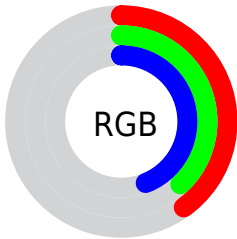
Format	Color
R_{YB}	101, 97, 113
Decimal	6644081
CIE _{Lab}	42.00, 5.04, -8.45
CIE _{LCh}	42, 9.840, 300.805
Yxy	12.5000, 0.2970, 0.2943
Android (android.graphics.Color)	4284834161 (0xFF656171)
YUV	100.0200, 6.3991, 0.8595
Hunter-Lab	35.3553, 1.8125, -4.3655

Details

The CIELCh color **42, 9.840, 300.805** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 9.574, 119.073**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 9.688, 300.025**, and **22, 9.530, 299.948** is the 20% darker color. If you saturate the color by 10%, you get **38, 17.082, 301.545**, and if you desaturate by 10%, it is **46, 2.845, 300.146**.

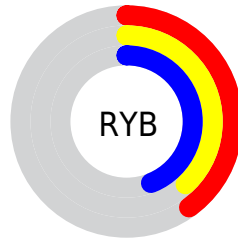
Distribution



Red (40%)

Green (38%)

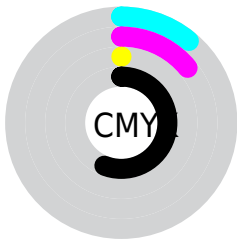
Blue (44%)



Red (40%)

Yellow (38%)

Blue (44%)

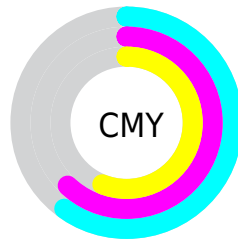


Cyan (11%)

Magenta (14%)

Yellow (0%)

Black (56%)



Cyan (60%)

Magenta (62%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 9.840, 300.805 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, 9.840, 300.805 by changing the saturation by 10% instead.

■ 42, 9.840, 300.805	■ 42, 9.840, 300.805
■ 100, 9.840, 300.805	■ 32, 9.840, 300.805
■ 62, 9.840, 300.805	■ 22, 9.840, 300.805
■ 72, 9.840, 300.805	■ 12, 9.840, 300.805
■ 82, 9.840, 300.805	■ 2, 9.840, 300.805
■ 92, 9.840, 300.805	■ 0, 9.840, 300.805

■ 42, 9.840, 300.805	■ 42, 9.840, 300.805
■ 38, 17.082, 301.545	■ 46, 2.845, 300.146
■ 34, 24.571,	■ 50, 3.908, 119.589

302.380

54, 10.430,
119.090

30, 32.284,
303.304

58, 16.735,
118.659

26, 40.158,
304.303

62, 22.836,
118.287

23, 48.051,
305.334

65, 28.744,
117.964

19, 55.681,
306.321

69, 34.472,
117.685

16, 62.563,
307.137

73, 40.030,
117.445

14, 68.131,
307.662

77, 45.430,
117.238

12, 71.442,
308.102

Harmonies

Complementary

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



42, 9.840, 300.805



47, 9.574, 119.073

Rectangle

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



42, 9.840, 300.805



42, 9.840, 350.805



42, 9.840, 120.805



42, 9.840, 170.805

Sweetspot

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



42, 9.839, 300.803



59, 3.410, 300.143



45, 5.249, 224.115



30, 2.410, 300.181



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 9.839, 300.803



53, 14.815, 301.037



43, 10.784, 317.339



21, 3.851, 300.454



13, 74.579, 308.046



33, 128.172, 307.594

Inverse Universe

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



43, 9.779, 333.195



54, 14.665, 333.413



46, 10.684, 136.188



22, 3.849, 332.855



26, 54.972, 340.741



55, 92.984, 341.661

Previews

White Background



This preview shows how the CIELCh color 42, 9.840, 300.805 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, 9.840, 300.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

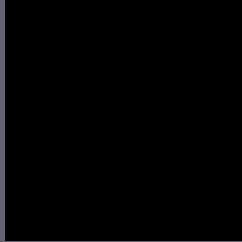
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 9.840, 300.805

Background



This preview shows how black text looks on a background with the CIELCh color 42, 9.840, 300.805.



This preview shows how white text looks on a background with the CIELCh color 42, 9.840, 300.805.

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, 9.840, 300.805

Protanopia

42, 9.695, 287.017

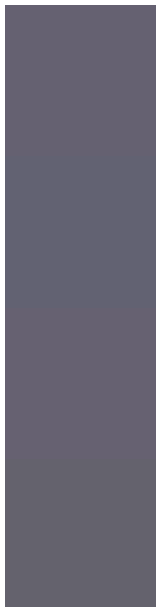
Deuteranopia

42, 9.914, 303.069



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color
42, 9.840, 300.805

Protanomaly
42, 9.678, 291.599

Deuteranomaly
42, 9.914, 303.069

Tritanomaly
42, 6.715, 297.995

Monochromacy



Original Color
42, 9.840, 300.805

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 3.656, 297.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 9.840, 300.805 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(101, 97, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 97, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 9.840, 300.805 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, 113) }
```

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

```
.border{ border-color:rgb(101, 97, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 97, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 97, 113); box-shadow:4px 4px 4px 4px rgb(101, 97, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 9.840, 300.805 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, 113) }
```

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

```
.background{ background-color: rgb(101, 97,  
113) }
```

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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