

Converting Colors

CIELCh(42, 6.724, 313.670)

Have a look what the booklet for
CIELCh(42, 6.724, 313.670) contains.

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Color

CIELCh(42, 6.553, 312.837)

Conversions

Conversions Part 1

Format	Color
Hex	67616B
RGB	103, 97, 107
RGB Percent	40%, 38%, 42%
CMY	0.5960, 0.6195, 0.5803
CMYK	0.04, 0.09, 0.00, 0.58
HSL	276°, 5%, 40%
HSV	276°, 9%, 42%
XYZ	12.5275, 12.5000, 15.6682
YIQ	99.9340, 0.3660, 4.3820

Conversions

Conversions Part 2

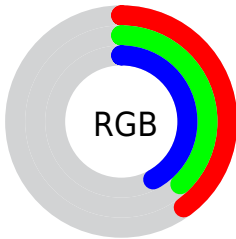
Format	Color
R_{YB}	103, 97, 107
Decimal	6775147
CIE _{Lab}	42.00, 4.46, -4.81
CIE _{LCh}	42, 6.553, 312.837
Yxy	12.5000, 0.3078, 0.3072
Android (android.graphics.Color)	4284965227 (0xFF67616B)
YUV	99.9340, 3.4835, 2.6889
Hunter-Lab	35.3553, 1.3762, -1.5264

Details

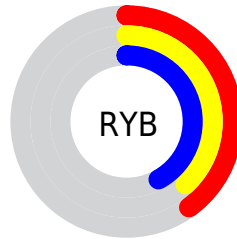
The CIELCh color **42, 6.553, 312.837** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 6.484, 132.126**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 6.089, 312.719**, and **22, 6.476, 311.539** is the 20% darker color. If you saturate the color by 10%, you get **39, 13.718, 313.260**, and if you desaturate by 10%, it is **45, 0.449, 132.670**.

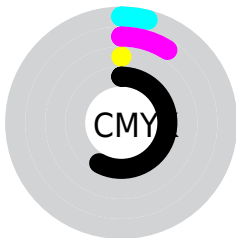
Distribution



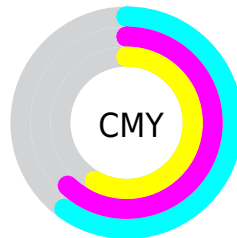
- Red (40%)
- Green (38%)
- Blue (42%)



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



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 6.553, 312.837 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, 6.553, 312.837 by changing the saturation by 10% instead.

■ 42, 6.553, 312.837

■ 42, 6.553, 312.837

■ 100, 6.553,
312.837

■ 32, 6.553, 312.837

■ 62, 6.553, 312.837

■ 22, 6.553, 312.837

■ 72, 6.553, 312.837

■ 12, 6.553, 312.837

■ 82, 6.553, 312.837

■ 2, 6.553, 312.837

■ 92, 6.553, 312.837

■ 0, 6.553, 312.837

■ 42, 6.553, 312.837

■ 42, 6.553, 312.837

■ 39, 13.718,
313.260

■ 45, 0.449, 132.670

■ 35, 21.013,

■ 49, 7.266, 132.109

313.697

52, 13.893,
131.773

32, 28.373,
314.135

56, 20.332,
131.472

29, 35.690,
314.554

59, 26.585,
131.204

26, 42.796,
314.921

63, 32.660,
130.965

23, 49.440,
315.189

66, 38.566,
130.753

20, 55.288,
315.296

70, 44.310,
130.567

18, 59.953,
315.167

73, 49.902,
130.403

16, 63.936,
314.955

Harmonies

Complementary

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



42, 6.553, 312.837



44, 6.484, 132.126

Rectangle

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



42, 6.553, 312.837



42, 6.553, 2.837



42, 6.553, 132.837



42, 6.553, 182.837

Sweetspot

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



42, 6.552, 312.835



57, 2.610, 312.557



43, 3.861, 265.092



29, 1.995, 312.592



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, 6.552, 312.835



54, 9.652, 312.918



42, 6.919, 327.249



20, 3.941, 312.819



18, 68.600, 314.840



42, 118.604, 314.215

Inverse Universe

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



42, 4.839, 350.151



54, 7.134, 350.339



44, 6.905, 146.267



21, 2.911, 350.114



24, 47.632, 9.390



52, 82.394, 12.688

Previews

White Background



This preview shows how the CIELCh color 42, 6.553, 312.837 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, 6.553, 312.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

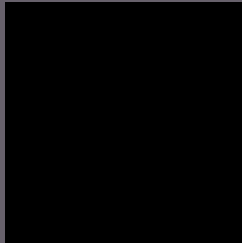
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 6.553, 312.837

Background



This preview shows how black text looks on a background with the CIELCh color 42, 6.553, 312.837.



This preview shows how white text looks on a background with the CIELCh color 42, 6.553, 312.837.

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, 6.553, 312.837

Protanopia

42, 6.052, 291.078

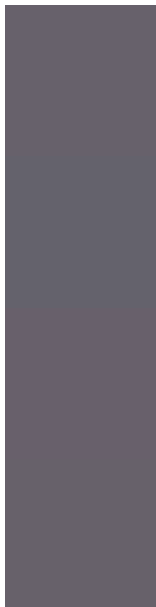
Deuteranopia

42, 7.636, 319.768



Tritanopia
42, 5.455, 317.576

Trichromacy



Original Color

42, 6.553, 312.837

Protanomaly

42, 6.116, 298.612

Deuteranomaly

42, 7.448, 316.983

Tritanomaly

42, 5.999, 314.982

Monochromacy



Original Color

42, 6.553, 312.837

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, 6.553, 312.837 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 97, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 97, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 6.553, 312.837 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, 107) }
```

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

```
.border{ border-color:rgb(103, 97, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 97, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 97, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 97,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 6.553, 312.837 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, 107) }
```

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

```
.background{ background-color: rgb(103, 97,  
107) }
```

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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