

Converting Colors

CIELCh(42, 5.312, 331.753)

Have a look what the booklet for
CIELCh(42, 5.312, 331.753) contains.

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Color

CIELCh(42, 4.933, 332.762)

Conversions

Conversions Part 1

Format	Color
Hex	696167
RGB	105, 97, 103
RGB Percent	41%, 38%, 40%
CMY	0.5887, 0.6201, 0.5965
CMYK	0.00, 0.08, 0.02, 0.59
HSL	315°, 4%, 40%
HSV	315°, 8%, 41%
XYZ	12.5172, 12.5000, 14.5532
YIQ	100.0760, 2.8420, 3.5620

Conversions

Conversions Part 2

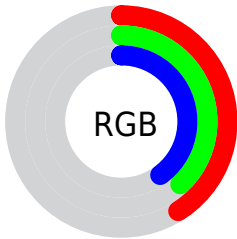
Format	Color
R_{YB}	105, 97, 103
Decimal	6906215
CIE Lab	42.00, 4.39, -2.26
CIE LCh	42, 4.933, 332.762
Yxy	12.5000, 0.3163, 0.3159
Android (android.graphics.Color)	4285096295 (0xFF696167)
YUV	100.0760, 1.4415, 4.3183
Hunter-Lab	35.3553, 1.3244, 0.3434

Details

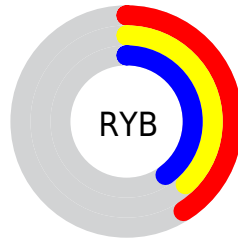
The CIELCh color $42, 4.933, 332.762$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 4.912, 151.906$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 4.586, 332.604$, and $22, 4.663, 334.384$ is the 20% darker color. If you saturate the color by 10%, you get $39, 11.467, 333.419$, and if you desaturate by 10%, it is $45, 1.515, 152.336$.

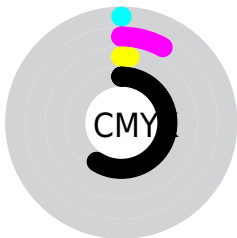
Distribution



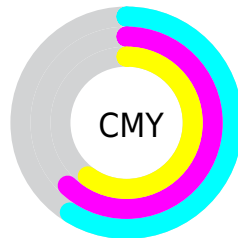
- Red (41%)
- Green (38%)
- Blue (40%)



- Red (41%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (8%)
- Yellow (2%)
- Black (59%)



- Cyan (59%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 4.933, 332.762 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, 4.933, 332.762 by changing the saturation by 10% instead.

■ 42, 4.933, 332.762

■ 42, 4.933, 332.762

■ 100, 4.933,
332.762

■ 32, 4.933, 332.762

■ 62, 4.933, 332.762

■ 22, 4.933, 332.762

■ 72, 4.933, 332.762

■ 12, 4.933, 332.762

■ 82, 4.933, 332.762

■ 2, 4.933, 332.762

■ 92, 4.933, 332.762

■ 0, 4.933, 332.762

■ 42, 4.933, 332.762

■ 42, 4.933, 332.762

■ 39, 11.467,
333.419

■ 45, 1.515, 152.336

■ 36, 18.015,

■ 48, 7.826, 151.656

334.087

51, 13.974,
151.100

33, 24.460,
334.785

55, 19.947,
150.579

31, 30.638,
335.518

58, 25.744,
150.087

28, 36.333,
336.297

61, 31.368,
149.623

26, 41.289,
337.136

64, 36.826,
149.185

25, 45.233,
338.061

68, 42.126,
148.771

23, 47.938,
339.106

71, 47.279,
148.381

22, 49.689,
340.251

Harmonies

Complementary

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



42, 4.933, 332.762



44, 4.912, 151.906

Rectangle

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



42, 4.933, 332.762



42, 4.933, 22.762



42, 4.933, 152.762



42, 4.933, 202.762

Sweetspot

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



42, 4.932, 332.764



56, 1.589, 332.314



42, 4.929, 300.364



29, 0.911, 332.290



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 4.932, 332.764



53, 7.176, 332.872



42, 3.575, 0.105



21, 3.701, 332.854



25, 54.149, 340.713



55, 92.258, 341.660

Inverse Universe

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



42, 4.932, 332.764



53, 7.176, 332.872



44, 3.488, 178.954



21, 3.701, 332.854



25, 54.149, 340.713



55, 92.258, 341.660

Previews

White Background



This preview shows how the CIELCh color 42, 4.933, 332.762 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, 4.933, 332.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

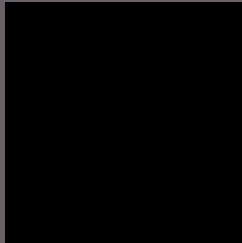
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 4.933, 332.762

Background



This preview shows how black text looks on a background with the CIELCh color 42, 4.933, 332.762.



This preview shows how white text looks on a background with the CIELCh color 42, 4.933, 332.762.

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

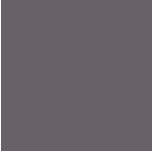
42, 4.933, 332.762

Protanopia

42, 3.057, 298.301

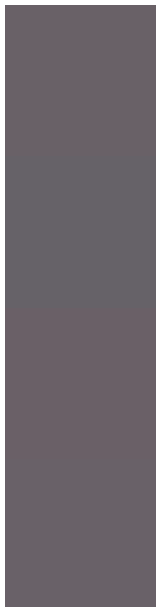
Deuteranopia

42, 6.245, 337.648



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color

42, 4.933, 332.762

Protanomaly

42, 4.002, 314.865

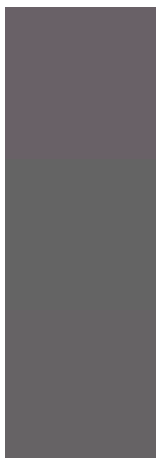
Deuteranomaly

42, 5.947, 334.855

Tritanomaly

42, 5.390, 328.429

Monochromacy



Original Color

42, 4.933, 332.762

Achromatopsia

42, 0.006, 296.813

Achromatomaly

42, 1.746, 335.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 4.933, 332.762 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(105, 97, 103)` looks like.

```
.text, #text, p{  
    color:rgb(105, 97, 103)  
}
```

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(105, 97, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 97, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 4.933, 332.762 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(105, 97, 103) }
```

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

```
.border{ border-color:rgb(105, 97, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 97, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 97, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 97, 103);  
box-shadow:4px 4px 4px 4px rgb(105, 97,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 4.933, 332.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 97, 103) }
```

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

```
.background{ background-color: rgb(105, 97,  
103) }
```

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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