

Converting Colors

CIELCh(42, 3.868, 96.452)

Have a look what the booklet for
CIELCh(42, 3.868, 96.452) contains.

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Color

CIELCh(42, 3.703, 96.332)

Conversions

Conversions Part 1

Format	Color
Hex	65635D
RGB	101, 99, 93
RGB Percent	40%, 39%, 36%
CMY	0.6036, 0.6115, 0.6350
CMYK	0.00, 0.02, 0.08, 0.60
HSL	45°, 4%, 38%
HSV	45°, 8%, 40%
XYZ	11.8227, 12.5000, 12.1623
YIQ	98.9140, 3.1180, -1.4420

Conversions

Conversions Part 2

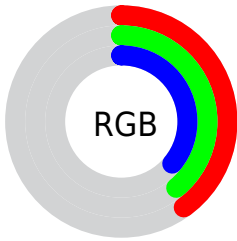
Format	Color
R_{YB}	96, 101, 93
Decimal	6644573
CIE Lab	42.00, -0.41, 3.68
CIE LCh	42, 3.703, 96.332
Yxy	12.5000, 0.3240, 0.3426
Android (android.graphics.Color)	4284834653 (0xFF65635D)
YUV	98.9140, -2.9156, 1.8294
Hunter-Lab	35.3553, -2.1819, 4.3530

Details

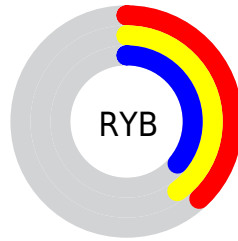
The CIELCh color $42, 3.703, 96.332$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 3.730, 278.181$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 3.981, 98.340$, and $22, 4.034, 102.433$ is the 20% darker color. If you saturate the color by 10%, you get $41, 8.438, 95.237$, and if you desaturate by 10%, it is $43, 0.976, 277.589$.

Distribution



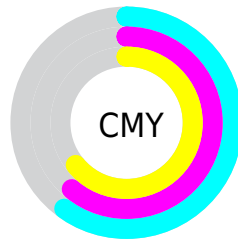
- Red (40%)
- Green (39%)
- Blue (36%)



- Red (38%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 3.703, 96.332 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, 3.703, 96.332 by changing the saturation by 10% instead.

■ 42, 3.703, 96.332 ■ 42, 3.703, 96.332

■ 100, 3.703, 96.332 ■ 32, 3.703, 96.332

■ 62, 3.703, 96.332 ■ 22, 3.703, 96.332

■ 72, 3.703, 96.332 ■ 12, 3.703, 96.332

■ 82, 3.703, 96.332 ■ 2, 3.703, 96.332

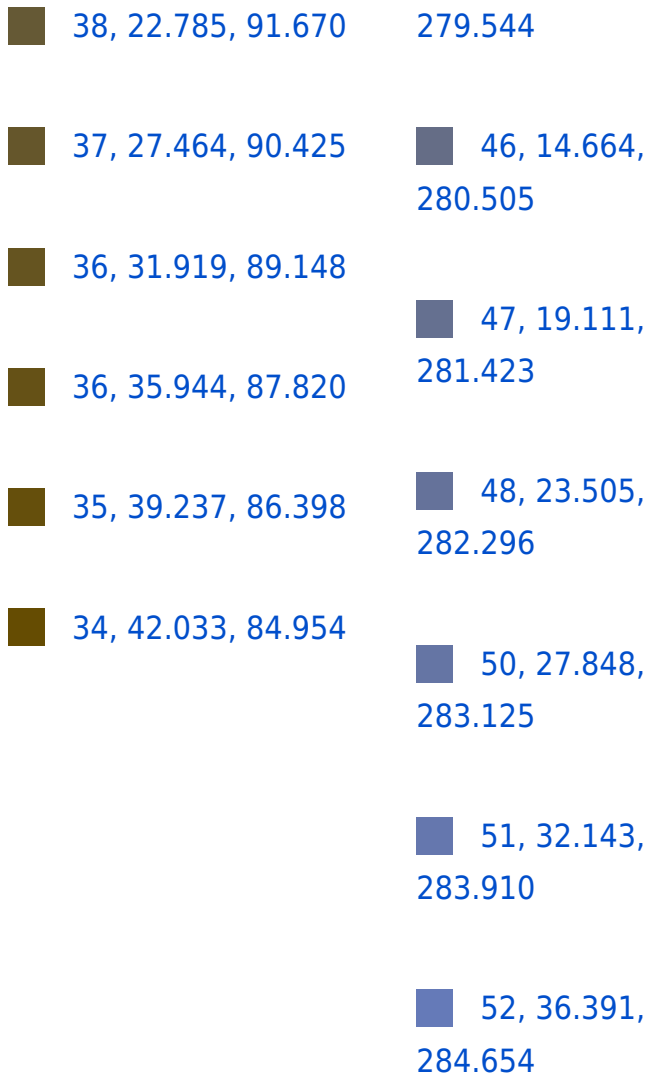
■ 92, 3.703, 96.332 ■ 0, 3.703, 96.332

■ 42, 3.703, 96.332 ■ 42, 3.703, 96.332

■ 41, 8.438, 95.237 ■ 43, 0.976, 277.589

■ 40, 13.214, 94.078 ■ 44, 5.598, 278.544

■ 39, 18.011, 92.888 ■ 45, 10.160,



Harmonies

Complementary

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



42, 3.703, 96.332



40, 3.730, 278.181

Rectangle

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



42, 3.703, 96.332



42, 3.703, 146.332



42, 3.703, 276.332



42, 3.703, 326.332

Sweetspot

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



42, 3.704, 96.349



55, 1.160, 96.906



40, 3.602, 0.131



28, 0.654, 96.914



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



42, 3.704, 96.349



54, 5.269, 96.203



42, 4.885, 119.457



21, 2.649, 96.240



38, 46.662, 84.373



77, 80.541, 83.048

Inverse Universe

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



40, 3.730, 278.181



52, 5.308, 278.342



40, 4.965, 300.380



19, 2.668, 278.302



16, 58.702, 299.274



37, 107.854, 301.122

Previews

White Background



This preview shows how the CIELCh color 42, 3.703, 96.332 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, 3.703, 96.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

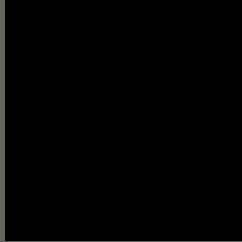
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 3.703, 96.332

Background



This preview shows how black text looks on a background with the CIELCh color 42, 3.703, 96.332.

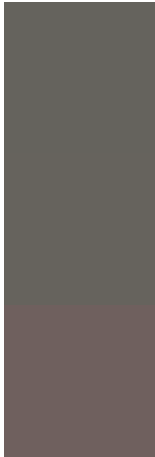


This preview shows how white text looks on a background with the CIELCh color 42, 3.703, 96.332.

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, 3.703, 96.332

Protanopia

42, 3.821, 90.065

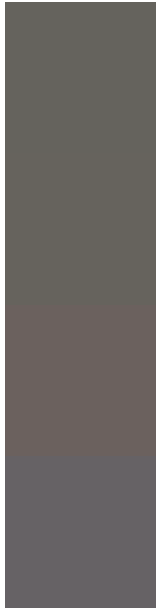
Deuteranopia

42, 6.577, 30.673



Tritanopia
42, 5.455, 317.576

Trichromacy



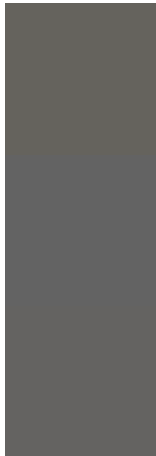
Original Color
42, 3.703, 96.332

Protanomaly
42, 3.821, 90.065

Deuteranomaly
42, 4.647, 42.657

Tritanomaly
42, 2.473, 332.496

Monochromacy



Original Color
42, 3.703, 96.332

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 1.267, 90.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 3.703, 96.332 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, 99, 93)` looks like.

```
.text, #text, p{  
    color:rgb(101, 99, 93)  
}
```

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, 99, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 99, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 3.703, 96.332 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, 99, 93) }
```

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

```
.border{ border-color:rgb(101, 99, 93) }
```

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

Here you see how a box with a 4 pixel rgb(101, 99, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 99, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 99, 93);  
box-shadow:4px 4px 4px 4px rgb(101, 99,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 3.703, 96.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 99, 93) }
```

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

```
.background{ background-color: rgb(101, 99,  
93) }
```

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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