

Converting Colors

CIELCh(37, 6.844, 36.332)

Have a look what the booklet for
CIELCh(37, 6.844, 36.332) contains.

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Color

CIELCh(37, 6.922, 35.653)

Conversions

Conversions Part 1

Format	Color
Hex	635451
RGB	99, 84, 81
RGB Percent	39%, 33%, 32%
CMY	0.6126, 0.6714, 0.6832
CMYK	0.00, 0.15, 0.18, 0.61
HSL	10°, 10%, 35%
HSV	10°, 18%, 39%
XYZ	9.7517, 9.5379, 9.0694
YIQ	88.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

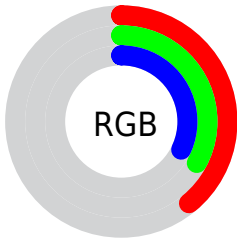
Format	Color
R_{YB}	99, 85, 81
Decimal	6509649
CIE _{Lab}	37.00, 5.62, 4.03
CIE _{LCh}	37, 6.922, 35.653
Yxy	9.5379, 0.3439, 0.3363
Android (android.graphics.Color)	4284699729 (0xFF635451)
YUV	88.1430, -3.5215, 9.5216
Hunter-Lab	30.8835, 2.3167, 4.2071

Details

The CIELCh color $[37, 6.922, 35.653]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[40, 6.184, 216.047]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 6.877, 39.191]$, and $[17, 6.783, 32.547]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 11.150, 35.847]$, and if you desaturate by 10%, it is $[40, 3.002, 35.558]$.

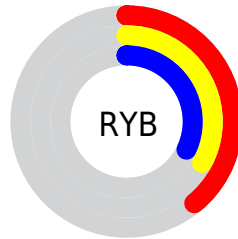
Distribution



 Red (39%)

 Green (33%)

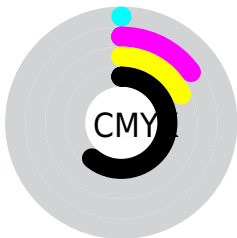
 Blue (32%)



 Red (39%)

 Yellow (33%)

 Blue (32%)

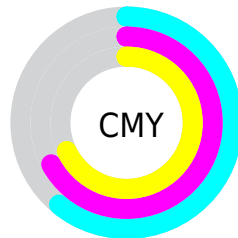



 Cyan (0%)

 Magenta (15%)

 Yellow (18%)

 Black (61%)



 Cyan (61%)

 Magenta (67%)



 Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 6.922, 35.653 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 37, 6.922, 35.653 by changing the saturation by 10% instead.

 37, 6.922, 35.653  37, 6.922, 35.653

 100, 6.922, 35.653  27, 6.922, 35.653

 57, 6.922, 35.653  17, 6.922, 35.653


 67, 6.922, 35.653  7, 6.922, 35.653

 77, 6.922, 35.653  0, 6.922, 35.653

 87, 6.922, 35.653

 97, 6.922, 35.653

 37, 6.922, 35.653  37, 6.922, 35.653

 34, 11.150, 35.847  40, 3.002, 35.558

 32, 15.703, 36.173  42, 0.630, 216.238

■ 29, 20.584, 36.685

■ 45, 4.003, 215.915

■ 27, 25.770, 37.421

■ 48, 7.142, 216.049

■ 25, 31.206, 38.404

■ 51, 10.074,
216.243

■ 23, 36.770, 39.611

■ 53, 12.822,
216.471

■ 22, 41.951, 40.492

■ 20, 45.974, 40.547

■ 56, 15.408,
216.721

■ 20, 46.647, 40.643

■ 59, 17.852,
216.984

■ 62, 20.169,
217.256

Harmonies

Complementary

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



37, 6.922, 35.653



40, 6.184, 216.047

Rectangle

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



37, 6.922, 35.653



37, 6.922, 85.653



37, 6.922, 215.653



37, 6.922, 265.653

Sweetspot

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



37, 6.921, 35.664



52, 2.228, 35.496



37, 11.962, 330.415



26, 1.510, 35.510



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 6.921, 35.664



46, 10.493, 35.730



40, 7.759, 88.971



19, 2.023, 35.566



23, 52.362, 41.567



52, 96.408, 42.229

Inverse Universe

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



40, 6.184, 216.047



50, 9.096, 216.169



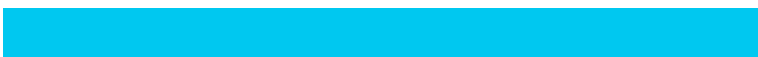
37, 7.733, 273.499



19, 1.920, 215.902



36, 23.768, 226.718



74, 41.557, 228.901

Previews

White Background



This preview shows how the CIELCh color 37, 6.922, 35.653 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 37, 6.922, 35.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

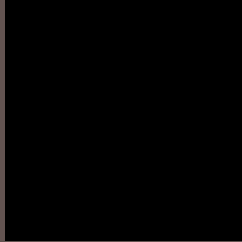
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 6.922, 35.653

Background



This preview shows how black text looks on a background with the CIELCh color 37, 6.922, 35.653.

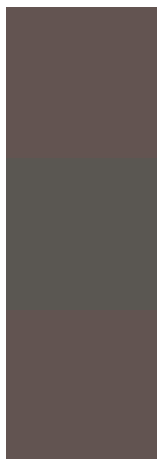


This preview shows how white text looks on a background with the CIELCh color 37, 6.922, 35.653.

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

37, 6.922, 35.653

Protanopia

37, 3.334, 86.574

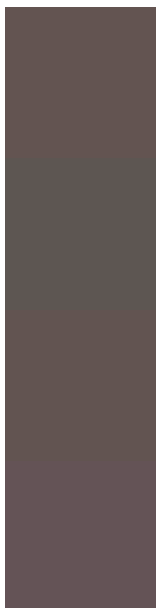
Deuteranopia

37, 6.485, 36.665



Tritanopia
37, 8.200, 353.911

Trichromacy



Original Color
37, 6.922, 35.653

Protanomaly
37, 3.927, 58.400

Deuteranomaly
37, 6.485, 36.665

Tritanomaly
37, 7.631, 6.567

Monochromacy



Original Color
37, 6.922, 35.653

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 2.661, 33.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 6.922, 35.653 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(99, 84, 81)` looks like.

```
.text, #text, p{  
    color:rgb(99, 84, 81)  
}
```

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(99, 84, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 84, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 6.922, 35.653 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(99, 84, 81) }
```

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

```
.border{ border-color:rgb(99, 84, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 84, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 84, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 84, 81);  
box-shadow:4px 4px 4px 4px rgb(99, 84, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 6.922, 35.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 84, 81) }
```

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

```
.background{ background-color: rgb(99, 84,  
81) }
```

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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