

Converting Colors

CIELCh(37, 10.793, 20.973)

Have a look what the booklet for
CIELCh(37, 10.793, 20.973) contains.

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Color

CIELCh(37, 10.728, 20.976)

Conversions

Conversions Part 1

Format	Color
Hex	695151
RGB	105, 81, 81
RGB Percent	41%, 32%, 32%
CMY	0.5872, 0.6814, 0.6814
CMYK	0.00, 0.23, 0.23, 0.59
HSL	0°, 13%, 37%
HSV	0°, 23%, 41%
XYZ	10.3111, 9.5379, 9.1301
YIQ	88.1760, 14.3040, 5.0880

Conversions

Conversions Part 2

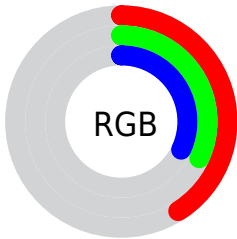
Format	Color
RYB	105, 81, 81
Decimal	6902097
CIELab	37.00, 10.02, 3.84
CIElCh	37, 10.728, 20.976
Yxy	9.5379, 0.3558, 0.3291
Android (android.graphics.Color)	4285092177 (0xFF695151)
YUV	88.1760, -3.5378, 14.7546
Hunter-Lab	30.8835, 5.5496, 4.0906




Details

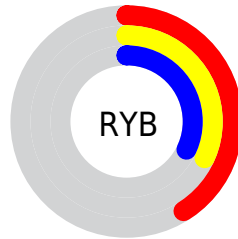
The CIELCh color $37, 10.728, 20.976$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 9.309, 198.336$, and the grayscale version is $38, 0.005, 296.813$.




A 20% lighter version of the original color is $57, 11.022, 20.541$, and $17, 10.736, 18.478$ is the 20% darker color. If you saturate the color by 10%, you get $34, 15.989, 22.026$, and if you desaturate by 10%, it is $40, 5.807, 20.149$.

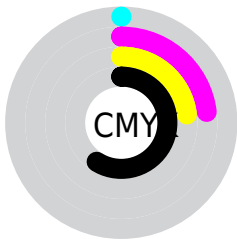
Distribution







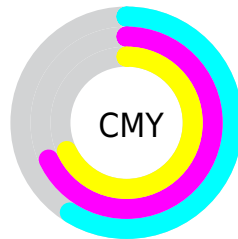
-  Red (41%)
-  Green (32%)
-  Blue (32%)






-  Red (41%)
-  Yellow (32%)
-  Blue (32%)



-  Cyan (0%)
-  Magenta (23%)
-  Yellow (23%)
-  Black (59%)



-  Cyan (59%)
-  Magenta (68%)
-  Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 10.728, 20.976 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, 10.728, 20.976 by changing the saturation by 10% instead.

■ 37, 10.728, 20.976

■ 37, 10.728, 20.976

■ 100, 10.728,
20.976

■ 27, 10.728, 20.976

■ 57, 10.728, 20.976

■ 17, 10.728, 20.976

■ 67, 10.728, 20.976

■ 7, 10.728, 20.976

■ 77, 10.728, 20.976

■ 0, 10.728, 20.976

■ 87, 10.728, 20.976

■ 97, 10.728, 20.976

■ 37, 10.728, 20.976

■ 37, 10.728, 20.976

■ 34, 15.989, 22.026

■ 40, 5.807, 20.149

31, 21.564, 23.363

44, 1.230, 19.294

28, 27.385, 25.081

47, 3.022, 199.187

26, 33.335, 27.274

50, 6.973, 198.720

24, 39.250, 30.003

54, 10.654,
198.377

22, 44.899, 33.208

57, 14.093,
198.103

21, 49.201, 35.365

20, 51.897, 36.364

61, 17.320,
197.880

64, 20.359,
197.695

67, 23.233,
197.541

Harmonies

Complementary

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



37, 10.728, 20.976



43, 9.309, 198.336

Rectangle

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



37, 10.728, 20.976



37, 10.728, 70.976



37, 10.728, 200.976



37, 10.728, 250.976

Sweetspot

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



37, 10.727, 20.983



54, 3.873, 19.727



38, 17.722, 325.606



27, 2.501, 19.752



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



37, 10.727, 20.983



46, 16.113, 21.468



40, 9.070, 72.756



21, 2.546, 19.862



23, 56.951, 37.581



51, 101.390, 40.001

Inverse Universe

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



43, 9.309, 198.336



55, 13.514, 198.113



39, 8.568, 258.548



22, 2.415, 199.046



44, 28.232, 196.405



88, 48.580, 196.407

Previews

White Background



This preview shows how the CIELCh color 37, 10.728, 20.976 looks on a white background.

Color Contrast Check

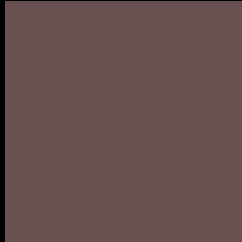
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.728, 20.976 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, 10.728, 20.976

Background



This preview shows how black text looks on a background with the CIELCh color 37, 10.728, 20.976.



This preview shows how white text looks on a background with the CIELCh color 37, 10.728, 20.976.

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, 10.728, 20.976

Protanopia

37, 2.029, 84.691

Deuteranopia

37, 6.485, 36.665



Tritanopia
37, 12.101, 0.547

Trichromacy



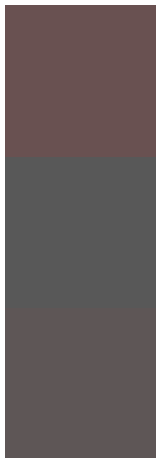
Original Color
37, 10.728, 20.976

Protanomaly
37, 4.548, 35.592

Deuteranomaly
37, 8.118, 29.167

Tritanomaly
37, 11.815, 6.230

Monochromacy



Original Color
37, 10.728, 20.976

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 3.456, 19.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 10.728, 20.976 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, 81, 81)` looks like.

```
.text, #text, p{  
    color:rgb(105, 81, 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(105, 81, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 81, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 10.728, 20.976 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, 81, 81) }
```

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

```
.border{ border-color:rgb(105, 81, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 81, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 81, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 81, 81);  
box-shadow:4px 4px 4px 4px rgb(105, 81,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 10.728, 20.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 81, 81) }
```

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

```
.background{ background-color: rgb(105, 81,  
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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