

Converting Colors

CIELCh(37, 22.502, 211.440)

Have a look what the booklet for
CIELCh(37, 22.502, 211.440)
contains.

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Color

CIELCh(37, 22.446, 211.375)

Conversions

Conversions Part 1

Format	Color
Hex	0F6069
RGB	15, 96, 105
RGB Percent	6%, 38%, 41%
CMY	0.9394, 0.6226, 0.5873
CMYK	0.85, 0.09, 0.00, 0.59
HSL	186°, 74%, 24%
HSV	186°, 85%, 41%
XYZ	6.9701, 9.5379, 14.9008
YIQ	72.8070, -51.1650, -14.3730

Conversions

Conversions Part 2

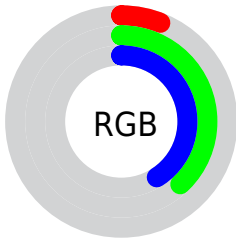
Format	Color
R_{YB}	15, 58, 105
Decimal	1007721
CIE _{Lab}	37.00, -19.16, -11.69
CIE _{LCh}	37, 22.446, 211.375
Yxy	9.5379, 0.2219, 0.3037
Android (android.graphics.Color)	4279197801 (0xFF0F6069)
YUV	72.8070, 15.8711, -50.6967
Hunter-Lab	30.8835, -13.7605, -6.9881

Details

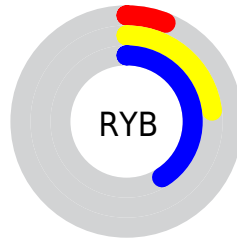
The CIELCh color **37, 22.446, 211.375** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 44.274, 37.491**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 22.400, 210.870**, and **18, 15.252, 221.327** is the 20% darker color. If you saturate the color by 10%, you get **37, 23.087, 212.639**, and if you desaturate by 10%, it is **38, 21.394, 210.350**.

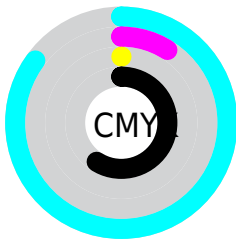
Distribution



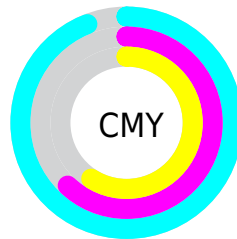
- Red (6%)
- Green (38%)
- Blue (41%)



- Red (6%)
- Yellow (23%)
- Blue (41%)



- Cyan (85%)
- Magenta (9%)
- Yellow (0%)
- Black (59%)





- Cyan (94%)
- Magenta (62%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 22.446, 211.375 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, 22.446, 211.375 by changing the saturation by 10% instead.


 37, 22.446,
211.375


 37, 22.446,
211.375

 100, 22.446,
211.375

 27, 22.446,
211.375

 57, 22.446,
211.375


 17, 22.446,
211.375


 67, 22.446,
211.375

 7, 22.446, 211.375

 77, 22.446,
211.375

 0, 22.446, 211.375

 87, 22.446,
211.375

 97, 22.446,
211.375

■ 37, 22.446,
211.375

■ 37, 22.446,
211.375

■ 37, 23.087,
212.639

■ 38, 21.394,
210.350

■ 36, 23.370,
213.229

■ 38, 19.856,
209.581

■ 39, 17.840,
209.034

■ 40, 15.377,
208.677

■ 41, 12.513,
208.479

■ 42, 9.301, 208.417

■ 43, 5.799, 208.475

■ 44, 2.062, 208.706

Harmonies

Complementary

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



37, 22.446, 211.375



23, 44.274, 37.491

Rectangle

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



37, 22.446, 211.375



37, 22.446, 261.375



37, 22.446, 31.375



37, 22.446, 81.375

Sweetspot

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



37, 22.446, 211.374



54, 11.858, 208.419



38, 55.316, 139.018



27, 7.910, 208.427



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, 22.446, 211.374



47, 28.273, 213.772



22, 36.334, 285.005



22, 2.195, 208.584



40, 25.219, 213.462



81, 43.209, 214.601

Inverse Universe

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



24, 52.684, 331.767



31, 67.685, 332.558



33, 37.738, 73.828



21, 4.114, 327.739



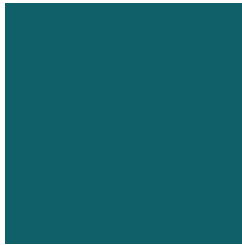
26, 60.374, 332.482



57, 103.431, 332.761

Previews

White Background



This preview shows how the CIELCh color 37, 22.446, 211.375 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 CIELCh color 37, 22.446, 211.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

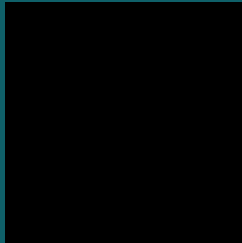
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 22.446, 211.375

Background



This preview shows how black text looks on a background with the CIELCh color 37, 22.446, 211.375.



This preview shows how white text looks on a background with the CIELCh color 37, 22.446, 211.375.

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, 22.446, 211.375

Protanopia
37, 8.048, 288.630

Deuteranopia
37, 14.241, 292.447



Tritanopia
37, 22.558, 209.623

Trichromacy



Original Color
37, 22.446, 211.375

Protanomaly
36, 12.614, 231.199

Deuteranomaly
36, 14.759, 248.084

Tritanomaly
37, 22.463, 209.688

Monochromacy



Original Color
37, 22.446, 211.375

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 11.230, 211.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 22.446, 211.375 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(15, 96, 105)` looks like.

```
.text, #text, p{  
    color:rgb(15, 96, 105)  
}
```

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(15, 96, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 96, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 22.446, 211.375 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(15, 96, 105) }
```

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

```
.border{ border-color:rgb(15, 96, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 96, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 96, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 96, 105);  
box-shadow:4px 4px 4px 4px rgb(15, 96,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 22.446, 211.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 96, 105) }
```

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

```
.background{ background-color: rgb(15, 96,  
105) }
```

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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