

Converting Colors

CIELCh(37, 22.699, 217.984)

Have a look what the booklet for
CIELCh(37, 22.699, 217.984)
contains.

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Color

CIELCh(37, 22.721, 217.933)

Conversions

Conversions Part 1

Format	Color
Hex	0D606D
RGB	13, 96, 109
RGB Percent	5%, 38%, 43%
CMY	0.9497, 0.6238, 0.5729
CMYK	0.88, 0.12, 0.00, 0.57
HSL	188°, 79%, 24%
HSV	188°, 88%, 43%
XYZ	7.0950, 9.5379, 15.9123
YIQ	72.6650, -53.6410, -13.5530

Conversions

Conversions Part 2

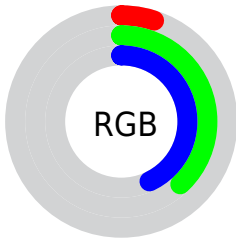
Format	Color
RYB	13, 58, 109
Decimal	876653
CIELab	37.00, -17.92, -13.97
CIElCh	37, 22.721, 217.933
Yxy	9.5379, 0.2180, 0.2931
Android (android.graphics.Color)	4279066733 (0xFF0D606D)
YUV	72.6650, 17.9132, -52.3262
Hunter-Lab	30.8835, -13.0384, -8.9300

Details

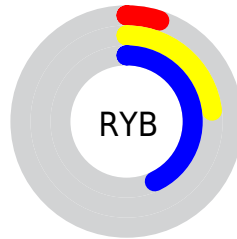
The CIELCh color **37, 22.721, 217.933** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 46.394, 39.479**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 22.615, 216.901**, and **18, 15.888, 232.064** is the 20% darker color. If you saturate the color by 10%, you get **36, 23.334, 219.832**, and if you desaturate by 10%, it is **38, 21.791, 216.289**.

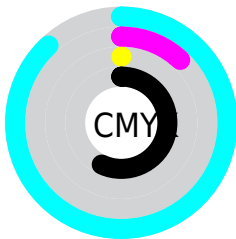
Distribution



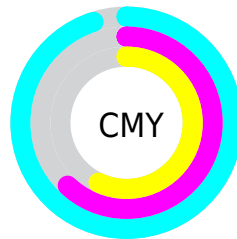
- Red (5%)
- Green (38%)
- Blue (43%)



- Red (5%)
- Yellow (23%)
- Blue (43%)



- Cyan (88%)
- Magenta (12%)
- Yellow (0%)
- Black (57%)





- Cyan (95%)
- Magenta (62%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 22.721, 217.933 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, 22.721, 217.933 by changing the saturation by 10% instead.


 37, 22.721,
217.933


 37, 22.721,
217.933

 100, 22.721,
217.933

 27, 22.721,
217.933

 57, 22.721,
217.933


 17, 22.721,
217.933


 67, 22.721,
217.933

 7, 22.721, 217.933

 77, 22.721,
217.933

 0, 22.721, 217.933

 87, 22.721,
217.933

 97, 22.721,
217.933

■ 37, 22.721,
217.933

■ 37, 22.721,
217.933

■ 36, 23.334,
219.832

■ 38, 21.791,
216.289

■ 36, 23.446,
220.163

■ 38, 20.384,
215.004

■ 39, 18.496,
214.030

■ 40, 16.151,
213.318

■ 41, 13.392,
212.825

■ 42, 10.271,
212.513

■ 44, 6.846, 212.354

■ 45, 3.171, 212.353

Harmonies

Complementary

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



37, 22.721, 217.933



24, 46.394, 39.479

Rectangle

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



37, 22.721, 217.933



37, 22.721, 267.933



37, 22.721, 37.933



37, 22.721, 87.933

Sweetspot

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



37, 22.720, 217.932



55, 11.880, 212.480



40, 56.953, 139.354



28, 7.927, 212.538



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



37, 22.720, 217.932



47, 28.444, 220.922



21, 40.978, 288.705



22, 2.135, 212.345



39, 24.705, 220.387



78, 42.390, 222.012

Inverse Universe

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



25, 53.492, 333.443



32, 67.649, 334.322



34, 40.059, 76.203



21, 4.015, 328.838



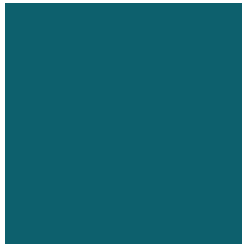
26, 58.811, 334.189



56, 100.602, 334.595

Previews

White Background



This preview shows how the CIELCh color 37, 22.721, 217.933 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, 22.721, 217.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

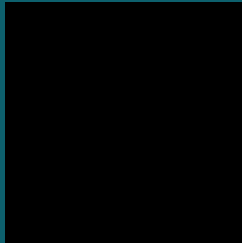
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 22.721, 217.933

Background



This preview shows how black text looks on a background with the CIELCh color 37, 22.721, 217.933.

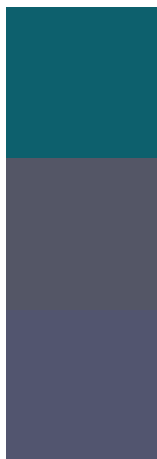


This preview shows how white text looks on a background with the CIELCh color 37, 22.721, 217.933.

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, 22.721, 217.933

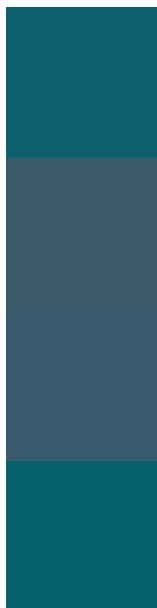
Protanopia
37, 9.915, 287.222

Deuteranopia
37, 16.109, 288.756



Tritanopia
37, 23.878, 207.195

Trichromacy



Original Color
37, 22.721, 217.933

Protanomaly
36, 14.282, 239.242

Deuteranomaly
36, 16.563, 250.857

Tritanomaly
37, 23.420, 210.644

Monochromacy



Original Color
37, 22.721, 217.933

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 11.611, 213.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 22.721, 217.933 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(13, 96, 109)` looks like.

```
.text, #text, p{  
    color:rgb(13, 96, 109)  
}
```

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(13, 96, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 96, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 22.721, 217.933 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(13, 96, 109) }
```

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

```
.border{ border-color:rgb(13, 96, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 96, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 96, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 96, 109);  
box-shadow:4px 4px 4px 4px rgb(13, 96,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 22.721, 217.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 96, 109) }
```

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

```
.background{ background-color: rgb(13, 96,  
109) }
```

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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