

Converting Colors

CIELCh(37, 28.089, 252.284)

Have a look what the booklet for
CIELCh(37, 28.089, 252.284)
contains.

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Color

CIELCh(37, 28.226, 252.888)

Conversions

Conversions Part 1

Format	Color
Hex	0C5D82
RGB	12, 93, 130
RGB Percent	5%, 36%, 51%
CMY	0.9520, 0.6350, 0.4898
CMYK	0.91, 0.28, 0.00, 0.49
HSL	199°, 83%, 28%
HSV	199°, 91%, 51%
XYZ	8.1123, 9.5379, 22.5652
YIQ	72.9990, -60.1530, -5.6650

Conversions

Conversions Part 2

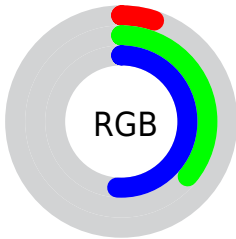
Format	Color
R_{YB}	12, 60, 130
Decimal	810370
CIE Lab	37.00, -8.31, -26.98
CIE LCh	37, 28.226, 252.888
Yxy	9.5379, 0.2017, 0.2372
Android (android.graphics.Color)	4279000450 (0xFF0C5D82)
YUV	72.9990, 28.1015, -53.4961
Hunter-Lab	30.8835, -7.1589, -21.7020

Details

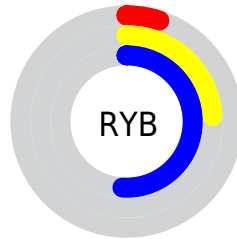
The CIELCh color **37, 28.226, 252.888** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 50.706, 49.277**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 28.252, 252.905**, and **18, 24.300, 269.136** is the 20% darker color. If you saturate the color by 10%, you get **36, 29.957, 257.038**, and if you desaturate by 10%, it is **39, 26.316, 248.719**.

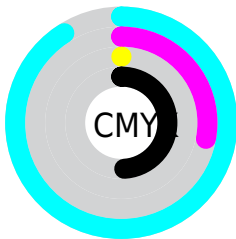
Distribution



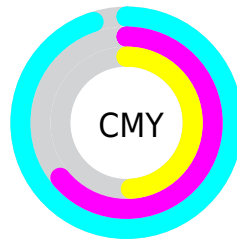
- Red (5%)
- Green (36%)
- Blue (51%)



- Red (5%)
- Yellow (24%)
- Blue (51%)



- Cyan (91%)
- Magenta (28%)
- Yellow (0%)
- Black (49%)



- Cyan (95%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 28.226, 252.888 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, 28.226, 252.888 by changing the saturation by 10% instead.

 37, 28.226,
252.888

 37, 28.226,
252.888

 100, 28.226,
252.888


 27, 28.226,
252.888

 57, 28.226,
252.888

 17, 28.226,
252.888

 67, 28.226,
252.888

 7, 28.226, 252.888

 77, 28.226,
252.888

 0, 28.226, 252.888

 87, 28.226,
252.888

 97, 28.226,
252.888

■ 37, 28.226,
252.888

■ 37, 28.226,
252.888

■ 36, 29.957,
257.038

■ 39, 26.316,
248.719

■ 40, 24.133,
245.181

■ 42, 21.621,
242.251

■ 44, 18.764,
239.862

■ 46, 15.574,
237.934

■ 48, 12.086,
236.391

■ 50, 8.340, 235.164

■ 52, 4.381, 234.211

Harmonies

Complementary

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



37, 28.226, 252.888



32, 50.706, 49.277

Rectangle

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



37, 28.226, 252.888



37, 28.226, 302.888



37, 28.226, 72.888



37, 28.226, 122.888

Sweetspot

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



37, 28.225, 252.889



62, 13.271, 235.995



47, 59.647, 143.413



31, 8.836, 236.363



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 28.225, 252.889



46, 36.569, 258.296



20, 62.636, 299.263



27, 2.377, 234.098



36, 29.950, 257.036



0, 0.579, 233.309

Inverse Universe

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



29, 54.620, 343.636



37, 67.121, 345.768



46, 49.696, 89.629



26, 4.229, 335.428



28, 55.837, 345.252



0, 1.005, 334.855

Previews

White Background



This preview shows how the CIELCh color 37, 28.226, 252.888 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, 28.226, 252.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

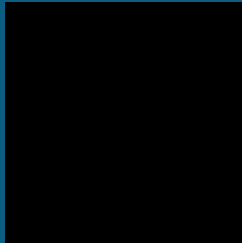
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 28.226, 252.888

Background



This preview shows how black text looks on a background with the CIELCh color 37, 28.226, 252.888.



This preview shows how white text looks on a background with the CIELCh color 37, 28.226, 252.888.

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, 28.226, 252.888

Protanopia

37, 23.624, 284.713

Deuteranopia

37, 28.215, 280.933



Tritanopia
37, 23.878, 207.195

Trichromacy



Original Color
37, 28.226, 252.888

Protanomaly
37, 24.877, 266.808

Deuteranomaly
37, 27.987, 268.171

Tritanomaly
37, 23.683, 223.705

Monochromacy



Original Color
37, 28.226, 252.888

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 13.340, 240.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 28.226, 252.888 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(12, 93, 130)` looks like.

```
.text, #text, p{  
    color:rgb(12, 93, 130)  
}
```

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(12, 93, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 93, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 28.226, 252.888 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(12, 93, 130) }
```

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

```
.border{ border-color:rgb(12, 93, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 93, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 93, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 93, 130);  
box-shadow:4px 4px 4px 4px rgb(12, 93,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 28.226, 252.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 93, 130) }
```

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

```
.background{ background-color: rgb(12, 93,  
130) }
```

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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