

Converting Colors

CIELCh(37, 15.662, 270.177)

Have a look what the booklet for
CIELCh(37, 15.662, 270.177)
contains.

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Color

CIELCh(37, 15.692, 270.972)

Conversions

Conversions Part 1

Format	Color
Hex	485870
RGB	72, 88, 112
RGB Percent	28%, 35%, 44%
CMY	0.7175, 0.6547, 0.5606
CMYK	0.36, 0.21, 0.00, 0.56
HSL	216°, 22%, 36%
HSV	216°, 36%, 44%
XYZ	9.0972, 9.5379, 16.7056
YIQ	85.9520, -17.2400, 4.0720

Conversions

Conversions Part 2

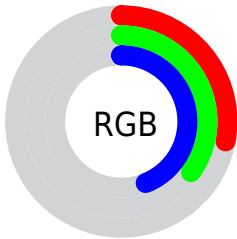
Format	Color
R_{YB}	72, 83, 112
Decimal	4741232
CIE Lab	37.00, 0.27, -15.69
CIE LCh	37, 15.692, 270.972
Yxy	9.5379, 0.2574, 0.2699
Android (android.graphics.Color)	4282931312 (0xFF485870)
YUV	85.9520, 12.8417, -12.2359
Hunter-Lab	30.8835, -1.4661, -10.4528

Details

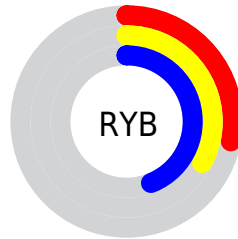
The CIELCh color **37, 15.692, 270.972** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 16.308, 80.971**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 15.679, 270.944**, and **17, 15.553, 269.980** is the 20% darker color. If you saturate the color by 10%, you get **34, 20.141, 273.139**, and if you desaturate by 10%, it is **40, 11.266, 269.111**.

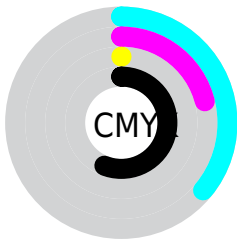
Distribution



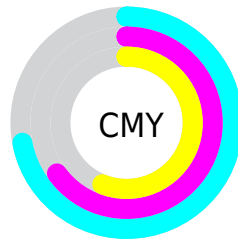
- Red (28%)
- Green (35%)
- Blue (44%)



- Red (28%)
- Yellow (33%)
- Blue (44%)



- Cyan (36%)
- Magenta (21%)
- Yellow (0%)
- Black (56%)



- Cyan (72%)
- Magenta (65%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 15.692, 270.972 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, 15.692, 270.972 by changing the saturation by 10% instead.

■ 37, 15.692,
270.972

■ 37, 15.692,
270.972

■ 100, 15.692,
270.972

■ 27, 15.692,
270.972

■ 57, 15.692,
270.972

■ 17, 15.692,
270.972

■ 67, 15.692,
270.972

■ 7, 15.692, 270.972

■ 77, 15.692,
270.972

■ 0, 15.692, 270.972

■ 87, 15.692,
270.972

■ 97, 15.692,
270.972

■ 37, 15.692,
270.972

■ 37, 15.692,
270.972

■ 34, 20.141,
273.139

■ 40, 11.266,
269.111

■ 31, 24.622,
275.655

■ 43, 6.863, 267.522

■ 46, 2.486, 266.194

■ 29, 29.152,
278.543

■ 49, 1.860, 84.825

■ 26, 33.756,
281.801

■ 51, 6.169, 83.862

■ 24, 38.464,
285.375

■ 54, 10.438, 82.970

■ 57, 14.661, 82.179

■ 21, 43.298,
289.062

■ 60, 18.834, 81.477

■ 20, 45.431,
290.491

■ 63, 22.956, 80.850

Harmonies

Complementary

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



37, 15.692, 270.972



42, 16.308, 80.971

Rectangle

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



37, 15.692, 270.972



37, 15.692, 320.972



37, 15.692, 90.972



37, 15.692, 140.972

Sweetspot

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



37, 15.691, 270.971



56, 5.945, 266.900



44, 18.488, 166.047



29, 4.027, 267.038



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



37, 15.691, 270.971



45, 23.447, 272.775



33, 25.376, 297.648



22, 2.457, 266.598



22, 48.036, 290.809



47, 87.067, 293.169

Inverse Universe

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



36, 19.765, 353.018



43, 29.516, 354.174



46, 23.369, 111.353



22, 3.027, 350.127



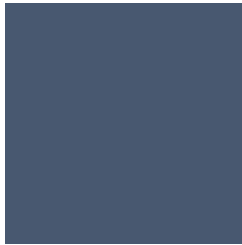
24, 48.377, 9.525



53, 83.050, 12.728

Previews

White Background



This preview shows how the CIELCh color 37, 15.692, 270.972 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, 15.692, 270.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

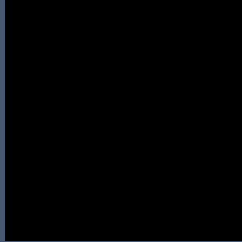
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

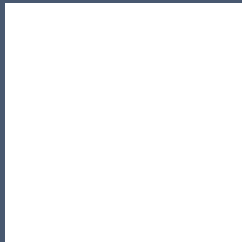
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 15.692, 270.972

Background



This preview shows how black text looks on a background with the CIELCh color 37, 15.692, 270.972.

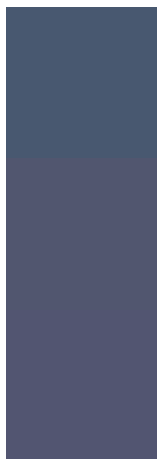


This preview shows how white text looks on a background with the CIELCh color 37, 15.692, 270.972.

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, 15.692, 270.972

Protanopia

37, 15.519, 285.738

Deuteranopia

37, 17.337, 289.262



Tritanopia
37, 9.336, 226.212

Trichromacy



Original Color
37, 15.692, 270.972

Protanomaly
37, 15.090, 279.800

Deuteranomaly
37, 16.862, 282.853

Tritanomaly
37, 10.772, 247.272

Monochromacy



Original Color
37, 15.692, 270.972

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 5.458, 264.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 15.692, 270.972 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(72, 88, 112)` looks like.

```
.text, #text, p{  
    color:rgb(72, 88, 112)  
}
```

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(72, 88, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 88, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 15.692, 270.972 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(72, 88, 112) }
```

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

```
.border{ border-color:rgb(72, 88, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 88, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 88, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 88, 112);  
box-shadow:4px 4px 4px 4px rgb(72, 88,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 15.692, 270.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 88, 112) }
```

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

```
.background{ background-color: rgb(72, 88,  
112) }
```

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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