

Converting Colors

CIELCh(37, 24.107, 199.909)

Have a look what the booklet for
CIELCh(37, 24.107, 199.909)
contains.

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Color

CIELCh(37, 23.929, 201.025)

Conversions

Conversions Part 1

Format	Color
Hex	046164
RGB	4, 97, 100
RGB Percent	2%, 38%, 39%
CMY	0.9825, 0.6188, 0.6071
CMYK	0.96, 0.03, 0.00, 0.61
HSL	182°, 91%, 21%
HSV	182°, 96%, 39%
XYZ	6.6580, 9.5379, 13.5959
YIQ	69.5350, -56.3910, -18.7830

Conversions

Conversions Part 2

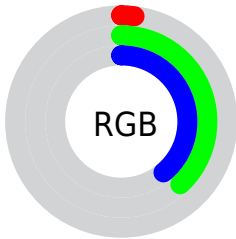
Format	Color
RYB	4, 51, 100
Decimal	287076
CIELab	37.00, -22.34, -8.59
CIELCh	37, 23.929, 201.025
Yxy	9.5379, 0.2235, 0.3202
Android (android.graphics.Color)	4278477156 (0xFF046164)
YUV	69.5350, 15.0192, -57.4742
Hunter-Lab	30.8835, -15.5647, -4.4828

Details

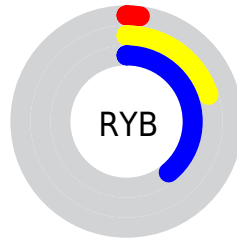
The CIELCh color **37, 23.929, 201.025** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **20, 47.659, 36.051**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 23.956, 201.386**, and **18, 15.459, 204.355** is the 20% darker color. If you saturate the color by 10%, you get **37, 24.241, 201.139**, and if you desaturate by 10%, it is **37, 23.191, 200.761**.

Distribution



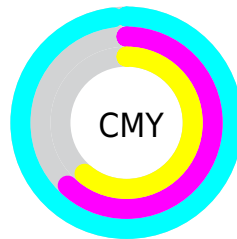
- Red (2%)
- Green (38%)
- Blue (39%)



- Red (2%)
- Yellow (20%)
- Blue (39%)



- Cyan (96%)
- Magenta (3%)
- Yellow (0%)
- Black (61%)





- Cyan (98%)
- Magenta (62%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 23.929, 201.025 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, 23.929, 201.025 by changing the saturation by 10% instead.


 37, 23.929,
201.025


 37, 23.929,
201.025

 100, 23.929,
201.025


 27, 23.929,
201.025

 57, 23.929,
201.025


 17, 23.929,
201.025


 67, 23.929,
201.025

 7, 23.929, 201.025

 77, 23.929,
201.025

 0, 23.929, 201.025

 87, 23.929,
201.025

 97, 23.929,
201.025

■ 37, 23.929,
201.025

■ 37, 23.929,
201.025

■ 37, 24.241,
201.139

■ 37, 23.191,
200.761

■ 38, 22.064,
200.588

■ 38, 20.456,
200.522

■ 38, 18.373,
200.557

■ 39, 15.841,
200.684

■ 40, 12.904,
200.893

■ 40, 9.615, 201.178

■ 41, 6.031, 201.535

Harmonies

Complementary

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



37, 23.929, 201.025



20, 47.659, 36.051

Rectangle

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



37, 23.929, 201.025



37, 23.929, 251.025



37, 23.929, 21.025



37, 23.929, 71.025

Sweetspot

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



37, 23.929, 201.024



51, 13.323, 201.047



36, 58.614, 136.623



26, 9.110, 200.961



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 23.929, 201.024



48, 29.157, 201.283



21, 33.871, 281.263



21, 2.246, 201.825



42, 26.666, 201.218



85, 46.135, 201.526

Inverse Universe

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



23, 55.820, 329.341



30, 68.474, 329.478



28, 40.046, 64.634



20, 4.140, 325.726



26, 62.612, 329.462



57, 108.426, 329.539

Previews

White Background



This preview shows how the CIELCh color 37, 23.929, 201.025 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, 23.929, 201.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

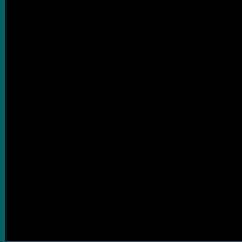
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 23.929, 201.025

Background



This preview shows how black text looks on a background with the CIELCh color 37, 23.929, 201.025.



This preview shows how white text looks on a background with the CIELCh color 37, 23.929, 201.025.

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, 23.929, 201.025

Protanopia
37, 4.360, 296.324

Deuteranopia
37, 11.231, 298.018



Tritanopia
37, 22.690, 207.883

Trichromacy



Original Color
37, 23.929, 201.025

Protanomaly
36, 12.577, 215.300

Deuteranomaly
36, 13.429, 235.504

Tritanomaly
37, 23.100, 206.037

Monochromacy



Original Color
37, 23.929, 201.025

Achromatopsia
30, 0.005, 296.813

Achromatomaly
32, 12.843, 200.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 23.929, 201.025 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(4, 97, 100)` looks like.

```
.text, #text, p{  
    color:rgb(4, 97, 100)  
}
```

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(4, 97, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 97, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 23.929, 201.025 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(4, 97, 100) }
```

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

```
.border{ border-color:rgb(4, 97, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 97, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 97, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 97, 100);  
box-shadow:4px 4px 4px 4px rgb(4, 97, 100)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 23.929, 201.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 97, 100) }
```

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

```
.background{ background-color: rgb(4, 97,  
100) }
```

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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