

Converting Colors

CIELCh(37, 64.966, 28.178)

Have a look what the booklet for
CIELCh(37, 64.966, 28.178) contains.

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Color

CIELCh(37, 64.985, 28.442)

Conversions

Conversions Part 1

Format	Color
Hex	AC1729
RGB	172, 23, 41
RGB Percent	67%, 9%, 16%
CMY	0.3256, 0.9099, 0.8393
CMYK	0.00, 0.87, 0.76, 0.33
HSL	353°, 76%, 38%
HSV	353°, 87%, 67%
XYZ	17.7115, 9.5379, 3.0033
YIQ	69.6030, 83.0260, 37.1860

Conversions

Conversions Part 2

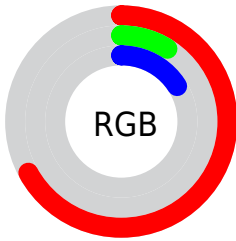
Format	Color
RYB	172, 23, 41
Decimal	11278121
CIELab	37.00, 57.14, 30.95
CIElCh	37, 64.985, 28.442
Yxy	9.5379, 0.5855, 0.3153
Android (android.graphics.Color)	4289468201 (0xFFAC1729)
YUV	69.6030, -14.1013, 89.8022
Hunter-Lab	30.8835, 48.3224, 15.8527

Details

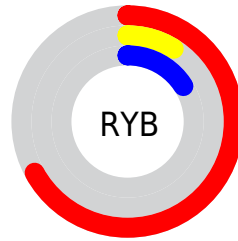
The CIELCh color **37, 64.985, 28.442** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **63, 40.103, 181.447**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 65.015, 28.511**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 70.802, 33.093**, and if you desaturate by 10%, it is **39, 58.295, 24.139**.

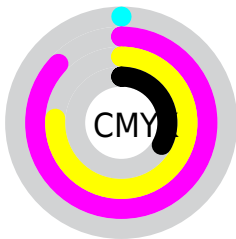
Distribution



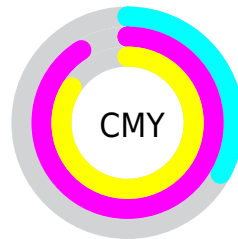
- Red (67%)
- Green (9%)
- Blue (16%)



- Red (67%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (87%)
- Yellow (76%)
- Black (33%)



- Cyan (33%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 64.985, 28.442 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, 64.985, 28.442 by changing the saturation by 10% instead.

 37, 64.985, 28.442

 37, 64.985, 28.442

 100, 64.985,
28.442

 27, 64.985, 28.442

 57, 64.985, 28.442

 17, 64.985, 28.442

 67, 64.985, 28.442

 7, 64.985, 28.442

 77, 64.985, 28.442

 0, 64.985, 28.442

 87, 64.985, 28.442

 97, 64.985, 28.442

 37, 64.985, 28.442

 37, 64.985, 28.442

 36, 70.802, 33.093

 39, 58.295, 24.139

36, 72.656, 34.452

42, 50.895, 20.535

45, 43.006, 17.647

49, 34.900, 15.366

53, 26.835, 13.562

57, 19.004, 12.117

62, 11.527, 10.935

67, 4.461, 9.909

72, 2.181, 189.427

Harmonies

Complementary

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



37, 64.985, 28.442



63, 40.103, 181.447

Rectangle

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



37, 64.985, 28.442



37, 64.985, 78.442



37, 64.985, 208.442



37, 64.985, 258.442

Sweetspot

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



37, 64.982, 28.444



74, 23.017, 12.095



38, 83.054, 323.456



37, 15.727, 12.541



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



37, 64.982, 28.444



47, 89.504, 35.331



45, 59.413, 53.069



34, 3.860, 10.179



31, 65.455, 33.898



2, 7.896, 11.262

Inverse Universe

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



37, 64.982, 28.444



47, 89.504, 35.331



47, 36.822, 260.736



34, 3.860, 10.179



31, 65.455, 33.898



2, 7.896, 11.262

Previews

White Background



This preview shows how the CIELCh color 37, 64.985, 28.442 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, 64.985, 28.442 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, 64.985, 28.442

Background



This preview shows how black text looks on a background with the CIELCh color 37, 64.985, 28.442.

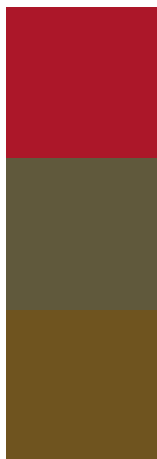


This preview shows how white text looks on a background with the CIELCh color 37, 64.985, 28.442.

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, 64.985, 28.442

Protanopia

38, 17.955, 96.657

Deuteranopia

38, 34.580, 81.418



Tritanopia
37, 68.896, 35.653

Trichromacy



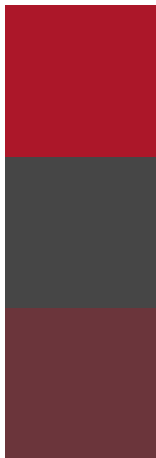
Original Color
37, 64.985, 28.442

Protanomaly
35, 30.575, 37.642

Deuteranomaly
35, 41.575, 46.880

Tritanomaly
37, 67.359, 33.189

Monochromacy



Original Color
37, 64.985, 28.442

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 25.707, 16.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 64.985, 28.442 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(172, 23, 41)` looks like.

```
.text, #text, p{  
    color:rgb(172, 23, 41)  
}
```

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(172, 23, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 23, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 64.985, 28.442 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(172, 23, 41) }
```

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

```
.border{ border-color:rgb(172, 23, 41) }
```

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

Here you see how a box with a 4 pixel rgb(172, 23, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 23, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 23, 41);  
box-shadow:4px 4px 4px 4px rgb(172, 23,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 64.985, 28.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 23, 41) }
```

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

```
.background{ background-color: rgb(172, 23,  
41) }
```

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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