

Converting Colors

CIELCh(37, 68.061, 25.249)

Have a look what the booklet for
CIELCh(37, 68.061, 25.249) contains.

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Color

CIELCh(37, 68.058, 25.076)

Conversions

Conversions Part 1

Format	Color
Hex	B1012D
RGB	177, 1, 45
RGB Percent	69%, 0%, 18%
CMY	0.3068, 0.9943, 0.8242
CMYK	0.00, 0.99, 0.75, 0.31
HSL	345°, 98%, 35%
HSV	345°, 99%, 69%
XYZ	18.5624, 9.5379, 3.3284
YIQ	58.6400, 90.7720, 50.9960

Conversions

Conversions Part 2

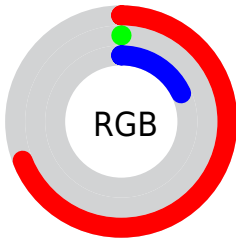
Format	Color
RYB	177, 1, 45
Decimal	11600173
CIELab	37.00, 61.64, 28.84
CIElCh	37, 68.058, 25.076
Yxy	9.5379, 0.5906, 0.3035
Android (android.graphics.Color)	4289790253 (0xFFB1012D)
YUV	58.6400, -6.7245, 103.8017
Hunter-Lab	30.8835, 53.2403, 15.2286

Details

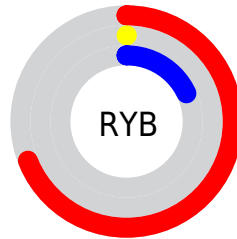
The CIELCh color **37, 68.058, 25.076** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **64, 49.950, 166.536**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 68.089, 24.844**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **37, 68.427, 25.487**, and if you desaturate by 10%, it is **38, 63.738, 19.885**.

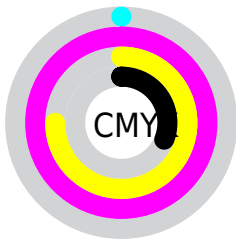
Distribution



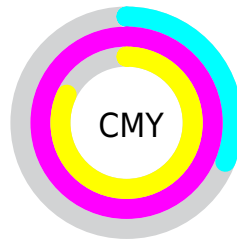
- Red (69%)
- Green (0%)
- Blue (18%)



- Red (69%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (99%)
- Yellow (75%)
- Black (31%)



- Cyan (31%)
- Magenta (99%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 68.058, 25.076 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, 68.058, 25.076 by changing the saturation by 10% instead.

 37, 68.058, 25.076

 37, 68.058, 25.076

 100, 68.058,
25.076

 27, 68.058, 25.076

 57, 68.058, 25.076

 17, 68.058, 25.076

 67, 68.058, 25.076

 7, 68.058, 25.076

 77, 68.058, 25.076

 0, 68.058, 25.076

 87, 68.058, 25.076

 97, 68.058, 25.076

 37, 68.058, 25.076

 37, 68.058, 25.076

 37, 68.427, 25.487

 38, 63.738, 19.885

40, 58.670, 15.304

42, 52.547, 11.590

45, 45.509, 8.642

49, 37.856, 6.305

53, 29.912, 4.430

58, 21.946, 2.897

63, 14.144, 1.614

68, 6.618, 0.499

Harmonies

Complementary

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



37, 68.058, 25.076



64, 49.950, 166.536

Rectangle

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



37, 68.058, 25.076



37, 68.058, 75.076



37, 68.058, 205.076



37, 68.058, 255.076

Sweetspot

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



37, 68.055, 25.078



73, 27.969, 3.086



34, 89.905, 319.056



36, 19.187, 3.696



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 68.055, 25.078



48, 83.828, 26.553



40, 73.022, 45.297



35, 4.119, 0.515



32, 61.219, 24.772



2, 9.536, 3.930

Inverse Universe

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



37, 68.055, 25.078



48, 83.828, 26.553



52, 34.606, 245.729



35, 4.119, 0.515



32, 61.219, 24.772



2, 9.536, 3.930

Previews

White Background



This preview shows how the CIELCh color 37, 68.058, 25.076 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, 68.058, 25.076 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, 68.058, 25.076

Background



This preview shows how black text looks on a background with the CIELCh color 37, 68.058, 25.076.

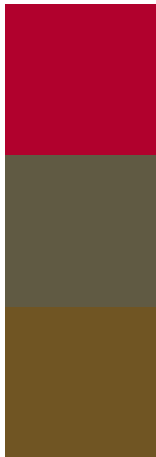


This preview shows how white text looks on a background with the CIELCh color 37, 68.058, 25.076.

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, 68.143, 24.998

Protanopia

38, 14.287, 96.690

Deuteranopia

38, 33.094, 80.779



Tritanopia
37, 74.677, 38.677

Trichromacy



Original Color
37, 68.143, 24.998

Protanomaly
33, 31.994, 24.370

Deuteranomaly
34, 43.174, 38.942

Tritanomaly
37, 72.222, 34.603

Monochromacy



Original Color
37, 68.143, 24.998

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.754, 8.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 68.058, 25.076 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(177, 1, 45)` looks like.

```
.text, #text, p{  
    color:rgb(177, 1, 45)  
}
```

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(177, 1, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 1, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 68.058, 25.076 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(177, 1, 45) }
```

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

```
.border{ border-color:rgb(177, 1, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 1, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 1, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 1, 45);  
box-shadow:4px 4px 4px 4px rgb(177, 1, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 68.058, 25.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 1, 45) }
```

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

```
.background{ background-color: rgb(177, 1,  
45) }
```

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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