

Converting Colors

CIELCh(37, 65.813, 19.375)

Have a look what the booklet for
CIELCh(37, 65.813, 19.375) contains.

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Color

CIELCh(37, 65.783, 19.231)

Conversions

Conversions Part 1

Format	Color
Hex	B00038
RGB	176, 0, 56
RGB Percent	69%, 0%, 22%
CMY	0.3093, 0.9987, 0.7800
CMYK	0.00, 1.00, 0.68, 0.31
HSL	341°, 100%, 35%
HSV	341°, 100%, 69%
XYZ	18.6525, 9.5379, 4.6109
YIQ	59.0080, 86.9200, 54.7280

Conversions

Conversions Part 2

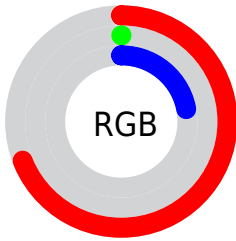
Format	Color
R_{YB}	176, 0, 56
Decimal	11534392
CIE _{Lab}	37.00, 62.11, 21.67
CIE _{LCh}	37, 65.783, 19.231
Yxy	9.5379, 0.5687, 0.2908
Android (android.graphics.Color)	4289724472 (0xFFB00038)
YUV	59.0080, -1.4829, 102.6020
Hunter-Lab	30.8835, 53.7614, 12.7664

Details

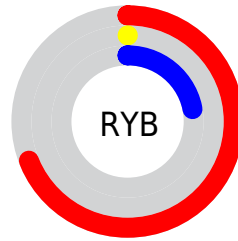
The CIELCh color **37, 65.783, 19.231** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **64, 54.553, 160.640**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 65.541, 19.046**, and **23, 52.950, 32.198** is the 20% darker color. If you saturate the color by 10%, you get **37, 65.847, 19.327**, and if you desaturate by 10%, it is **38, 62.439, 14.149**.

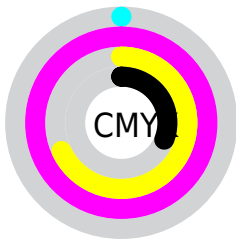
Distribution



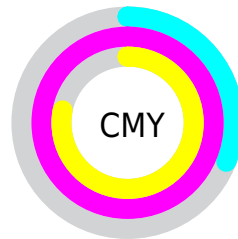
- Red (69%)
- Green (0%)
- Blue (22%)



- Red (69%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 65.783, 19.231 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, 65.783, 19.231 by changing the saturation by 10% instead.

 37, 65.783, 19.231

 37, 65.783, 19.231

 100, 65.783,
19.231

 27, 65.783, 19.231

 57, 65.783, 19.231

 17, 65.783, 19.231

 67, 65.783, 19.231

 7, 65.783, 19.231

 77, 65.783, 19.231

 0, 65.783, 19.231

 87, 65.783, 19.231

 97, 65.783, 19.231

 37, 65.783, 19.231

 37, 65.783, 19.231

 37, 65.847, 19.327

 38, 62.439, 14.149

■ 40, 58.242, 9.757

■ 42, 52.770, 6.246

■ 45, 46.171, 3.470

■ 49, 38.772, 1.260

■ 53, 30.927,
359.472

■ 58, 22.938,
357.993

■ 62, 15.018,
356.740

■ 67, 7.303, 355.641

Harmonies

Complementary

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



37, 65.783, 19.231



64, 54.553, 160.640

Rectangle

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



37, 65.783, 19.231



37, 65.783, 69.231



37, 65.783, 199.231



37, 65.783, 249.231

Sweetspot

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



37, 65.780, 19.233



73, 28.653, 358.090



32, 91.212, 316.377



36, 19.617, 358.673



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, 65.780, 19.233



49, 80.682, 20.417



38, 75.962, 42.603



35, 4.258, 355.590



32, 59.174, 18.632



2, 9.761, 359.885

Inverse Universe

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



37, 65.780, 19.233



49, 80.682, 20.417



56, 32.976, 228.097



35, 4.258, 355.590



32, 59.174, 18.632



2, 9.761, 359.885

Previews

White Background



This preview shows how the CIELCh color 37, 65.783, 19.231 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, 65.783, 19.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

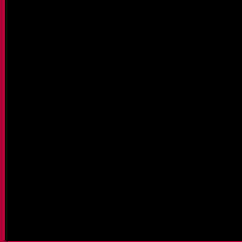
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 65.783, 19.231

Background



This preview shows how black text looks on a background with the CIELCh color 37, 65.783, 19.231.



This preview shows how white text looks on a background with the CIELCh color 37, 65.783, 19.231.

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, 65.783, 19.231

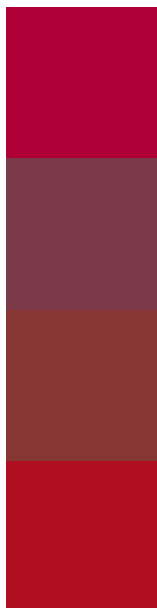
Protanopia
38, 4.470, 92.458

Deuteranopia
38, 26.165, 79.381



Tritanopia
37, 72.095, 37.282

Trichromacy



Original Color
37, 65.783, 19.231

Protanomaly
33, 30.719, 7.289

Deuteranomaly
34, 38.843, 30.119

Tritanomaly
37, 69.463, 31.707

Monochromacy



Original Color
37, 65.783, 19.231

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 30.951, 3.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 65.783, 19.231 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(176, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 56)  
}
```

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(176, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 65.783, 19.231 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(176, 0, 56) }
```

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

```
.border{ border-color:rgb(176, 0, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 65.783, 19.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 56) }
```

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

```
.background{ background-color: rgb(176, 0,  
56) }
```

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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