

Converting Colors

CIELCh(37, 64.748, 25.332)

Have a look what the booklet for
CIELCh(37, 64.748, 25.332) contains.

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Color

CIELCh(37, 64.859, 25.439)

Conversions

Conversions Part 1

Format	Color
Hex	AD122E
RGB	173, 18, 46
RGB Percent	68%, 7%, 18%
CMY	0.3210, 0.9284, 0.8192
CMYK	0.00, 0.89, 0.73, 0.32
HSL	349°, 81%, 38%
HSV	349°, 89%, 68%
XYZ	17.9787, 9.5379, 3.4881
YIQ	67.5370, 83.3920, 41.5680

Conversions

Conversions Part 2

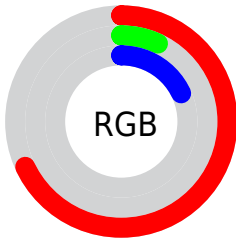
Format	Color
R _Y B	173, 18, 46
Decimal	11342382
CIE Lab	37.00, 58.57, 27.86
CIE LCh	37, 64.859, 25.439
Yxy	9.5379, 0.5799, 0.3076
Android (android.graphics.Color)	4289532462 (0xFFAD122E)
YUV	67.5370, -10.6177, 92.4911
Hunter-Lab	30.8835, 49.8670, 14.9221

Details

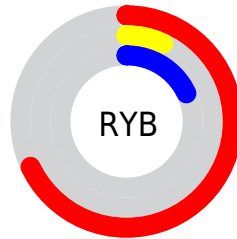
The CIELCh color **37, 64.859, 25.439** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **63, 43.460, 174.779**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 64.810, 25.162**, and **22, 54.749, 37.089** is the 20% darker color. If you saturate the color by 10%, you get **36, 69.988, 30.410**, and if you desaturate by 10%, it is **39, 59.068, 20.819**.

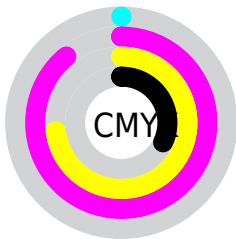
Distribution



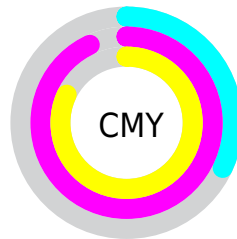
- Red (68%)
- Green (7%)
- Blue (18%)



- Red (68%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (89%)
- Yellow (73%)
- Black (32%)



- Cyan (32%)
- Magenta (93%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 64.859, 25.439 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, 64.859, 25.439 by changing the saturation by 10% instead.

 37, 64.859, 25.439

 37, 64.859, 25.439

 100, 64.859,
25.439

 27, 64.859, 25.439

 57, 64.859, 25.439

 17, 64.859, 25.439

 67, 64.859, 25.439

 7, 64.859, 25.439

 77, 64.859, 25.439

 0, 64.859, 25.439

 87, 64.859, 25.439

 97, 64.859, 25.439

 37, 64.859, 25.439

 37, 64.859, 25.439

 36, 69.988, 30.410

 39, 59.068, 20.819

36, 70.272, 30.655

41, 52.424, 16.981

44, 45.067, 13.910

48, 37.267, 11.480

52, 29.315, 9.547

57, 21.448, 7.985

61, 13.827, 6.698

66, 6.544, 5.597

71, 0.361, 186.046

Harmonies

Complementary

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



37, 64.859, 25.439



63, 43.460, 174.779

Rectangle

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



37, 64.859, 25.439



37, 64.859, 75.439



37, 64.859, 205.439



37, 64.859, 255.439

Sweetspot

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



37, 64.856, 25.441



73, 24.164, 7.711



37, 84.872, 321.705



37, 16.383, 8.170



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, 64.856, 25.441



47, 86.099, 31.655



43, 63.165, 49.362



34, 3.921, 5.580



31, 62.990, 29.991



2, 7.999, 7.400

Inverse Universe

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



37, 64.856, 25.441



47, 86.099, 31.655



49, 35.153, 253.844



34, 3.921, 5.580



31, 62.990, 29.991



2, 7.999, 7.400

Previews

White Background



This preview shows how the CIELCh color 37, 64.859, 25.439 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, 64.859, 25.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

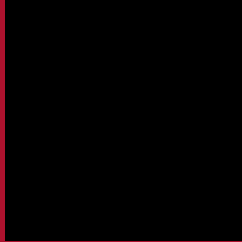
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 64.859, 25.439

Background



This preview shows how black text looks on a background with the CIELCh color 37, 64.859, 25.439.



This preview shows how white text looks on a background with the CIELCh color 37, 64.859, 25.439.

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, 64.859, 25.439

Protanopia

38, 13.126, 95.904

Deuteranopia

38, 31.636, 81.848



Tritanopia
37, 70.257, 36.567

Trichromacy



Original Color
37, 64.859, 25.439

Protanomaly
34, 29.016, 27.999

Deuteranomaly
35, 39.999, 42.999

Tritanomaly
37, 68.028, 32.949

Monochromacy



Original Color
37, 64.859, 25.439

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 26.663, 11.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 64.859, 25.439 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(173, 18, 46)` looks like.

```
.text, #text, p{  
    color:rgb(173, 18, 46)  
}
```

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(173, 18, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 18, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 64.859, 25.439 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(173, 18, 46) }
```

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

```
.border{ border-color:rgb(173, 18, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 18, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 18, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 18, 46);  
box-shadow:4px 4px 4px 4px rgb(173, 18,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 64.859, 25.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 18, 46) }
```

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

```
.background{ background-color: rgb(173, 18,  
46) }
```

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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