

Converting Colors

CIELCh(14, 90.140, 25.647)

Have a look what the booklet for
CIELCh(14, 90.140, 25.647) contains.

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Color

CIELCh(25, 59.863, 37.864)

Conversions

Conversions Part 1

Format	Color
Hex	7D0101
RGB	125, 1, 1
RGB Percent	49%, 0%, 0%
CMY	0.5079, 0.9971, 0.9942
CMYK	0.00, 0.99, 0.99, 0.51
HSL	360°, 99%, 25%
HSV	360°, 99%, 49%
XYZ	8.5444, 4.4155, 0.4447
YIQ	38.0760, 73.9040, 26.2880

Conversions

Conversions Part 2

Format	Color
RYB	125, 1, 1
Decimal	8192257
CIELab	25.00, 47.26, 36.74
CIELCh	25, 59.863, 37.864
Yxy	4.4155, 0.6374, 0.3294
Android (android.graphics.Color)	4286382337 (0xFF7D0101)
YUV	38.0760, -18.2785, 76.2323
Hunter-Lab	21.0130, 35.8093, 13.4545

Details

The CIELCh color **25, 59.863, 37.864** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **47, 29.718, 195.504**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 59.701, 38.085**, and **10, 34.401, 28.020** is the 20% darker color. If you saturate the color by 10%, you get **25, 60.115, 37.975**, and if you desaturate by 10%, it is **26, 55.476, 35.667**.

Distribution



Red (49%)

Green (0%)

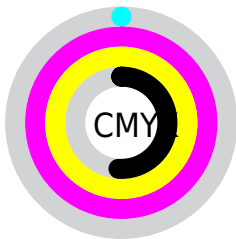
Blue (0%)



Red (49%)

Yellow (0%)

Blue (0%)

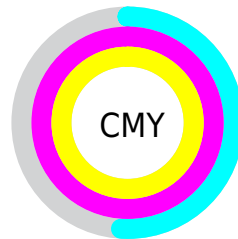


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (51%)



Cyan (51%)

Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 59.863, 37.864 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 25, 59.863, 37.864 by changing the saturation by 10% instead.

■ 25, 59.863, 37.864

■ 25, 59.863, 37.864

■ 100, 59.863,
37.864

■ 15, 59.863, 37.864

■ 45, 59.863, 37.864

■ 5, 59.863, 37.864

■ 55, 59.863, 37.864

■ 0, 59.863, 37.864

■ 65, 59.863, 37.864

■ 75, 59.863, 37.864

■ 85, 59.863, 37.864

■ 95, 59.863, 37.864

■ 25, 59.863, 37.864

■ 25, 59.863, 37.864

25, 60.115, 37.975

26, 55.476, 35.667

27, 49.567, 32.215

29, 42.994, 28.991

32, 36.174, 26.309

35, 29.353, 24.180

38, 22.714, 22.522

42, 16.381, 21.235

45, 10.425, 20.228

49, 4.869, 19.409

Harmonies

Complementary

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



25, 59.863, 37.864



47, 29.718, 195.504

Rectangle

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



25, 59.863, 37.864



25, 59.863, 87.864



25, 59.863, 217.864



25, 59.863, 267.864

Sweetspot

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



25, 59.861, 37.866



53, 20.810, 21.385



29, 68.248, 327.591



25, 14.296, 21.805



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



25, 59.861, 37.866



34, 74.400, 39.535



33, 50.097, 60.652



25, 2.951, 19.386



25, 60.921, 38.111



0, 0.000, 0.000

Inverse Universe

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



25, 59.861, 37.866



34, 74.400, 39.535



28, 39.775, 280.489



25, 2.951, 19.386



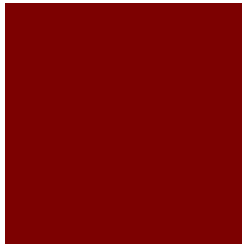
25, 60.921, 38.111



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 25, 59.863, 37.864 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 25, 59.863, 37.864 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 25, 59.863, 37.864

Background



This preview shows how black text looks on a background with the CIELCh color 25, 59.863, 37.864.



This preview shows how white text looks on a background with the CIELCh color 25, 59.863, 37.864.

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

25, 59.749, 38.029

Protanopia

27, 28.900, 95.739

Deuteranopia

27, 35.989, 85.270



Tritanopia
26, 58.779, 40.157

Trichromacy



Original Color
25, 59.749, 38.029

Protanomaly
23, 35.561, 52.989

Deuteranomaly
23, 41.652, 53.294

Tritanomaly
25, 58.972, 39.175

Monochromacy



Original Color
25, 59.749, 38.029

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 24.617, 25.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 59.863, 37.864 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(125, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(125, 1, 1)  
}
```

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(125, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 1, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 59.863, 37.864 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(125, 1, 1) }
```

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

```
.border{ border-color:rgb(125, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(125, 1, 1); box-shadow:4px  
4px 4px 4px rgb(125, 1, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 59.863, 37.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 1, 1) }
```

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

```
.background{ background-color: rgb(125, 1,  
1) }
```

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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