

Converting Colors

CIELCh(24, 59.002, 37.873)

Have a look what the booklet for
CIELCh(24, 59.002, 37.873) contains.

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Color

CIELCh(24, 58.879, 37.958)

Conversions

Conversions Part 1

Format	Color
Hex	7A0000
RGB	122, 0, 0
RGB Percent	48%, 0%, 0%
CMY	0.5230, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.52
HSL	0°, 100%, 24%
HSV	0°, 100%, 48%
XYZ	7.9688, 4.1002, 0.3610
YIQ	36.4780, 72.7120, 25.8640

Conversions

Conversions Part 2

Format	Color
R_{YB}	122, 0, 0
Decimal	7995392
CIE Lab	24.00, 46.42, 36.22
CIE LCh	24, 58.879, 37.958
Yxy	4.1002, 0.6411, 0.3299
Android (android.graphics.Color)	4286185472 (0xFF7A0000)
YUV	36.4780, -17.9837, 75.0028
Hunter-Lab	20.2490, 34.8116, 13.1172

Details

The CIELCh color **24, 58.879, 37.958** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **46, 28.982, 196.386**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 58.955, 38.204**, and **10, 33.482, 27.273** is the 20% darker color. If you saturate the color by 10%, you get **24, 58.736, 37.931**, and if you desaturate by 10%, it is **25, 54.514, 35.947**.

Distribution



Red (48%)

Green (0%)

Blue (0%)



Red (48%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 58.879, 37.958 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 24, 58.879, 37.958 by changing the saturation by 10% instead.

■ 24, 58.879, 37.958

■ 24, 58.879, 37.958

■ 100, 58.879,
37.958

■ 14, 58.879, 37.958

■ 44, 58.879, 37.958

■ 4, 58.879, 37.958

■ 54, 58.879, 37.958

■ 0, 58.879, 37.958

■ 64, 58.879, 37.958

■ 74, 58.879, 37.958

■ 84, 58.879, 37.958

■ 94, 58.879, 37.958

■ 24, 58.879, 37.958

■ 24, 58.879, 37.958

24, 58.736, 37.931

25, 54.514, 35.947

26, 48.852, 32.698

28, 42.416, 29.498

31, 35.732, 26.822

33, 29.045, 24.692

37, 22.538, 23.035

40, 16.332, 21.750

44, 10.496, 20.749

47, 5.054, 19.940

Harmonies

Complementary

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



24, 58.879, 37.958



46, 28.982, 196.386

Rectangle

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



24, 58.879, 37.958



24, 58.879, 87.958



24, 58.879, 217.958



24, 58.879, 267.958

Sweetspot

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



24, 58.736, 37.931



52, 20.293, 21.834



28, 66.833, 328.233



24, 13.933, 22.238



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



24, 58.736, 37.931



32, 72.803, 39.664



33, 48.950, 62.062



24, 2.851, 19.869



25, 60.075, 38.174



53, 103.782, 40.000

Inverse Universe

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



46, 28.982, 196.386



59, 35.060, 196.386



26, 40.306, 282.280



25, 2.700, 199.020



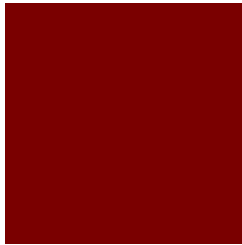
47, 29.545, 196.386



90, 49.735, 196.386

Previews

White Background



This preview shows how the CIE LCh color 24, 58.879, 37.958 looks on a white background.

Color Contrast Check

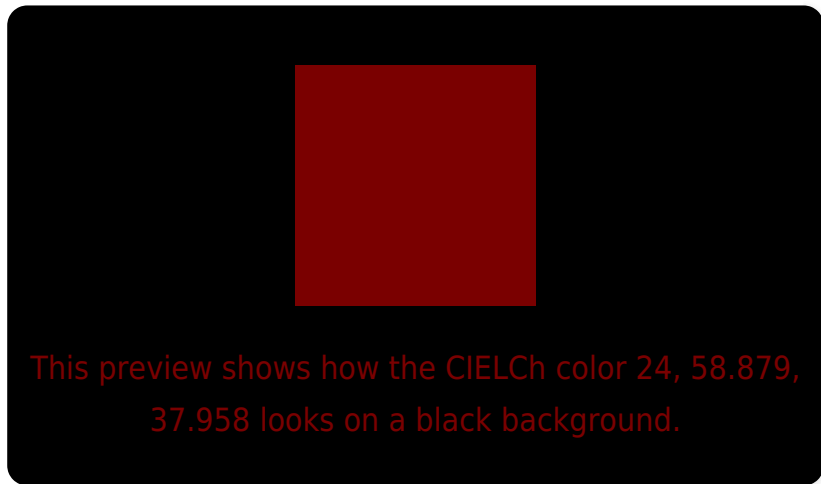
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

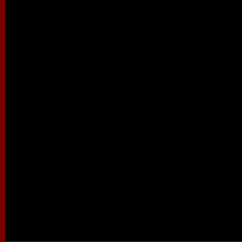
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 58.879, 37.958

Background



This preview shows how black text looks on a background with the CIELCh color 24, 58.879, 37.958.



This preview shows how white text looks on a background with the CIELCh color 24, 58.879, 37.958.

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

24, 58.879, 37.958

Protanopia

26, 28.335, 96.689

Deuteranopia

26, 34.934, 85.633



Tritanopia
25, 57.221, 39.837

Trichromacy



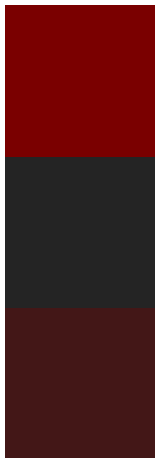
Original Color
24, 58.879, 37.958

Protanomaly
22, 34.632, 53.532

Deuteranomaly
22, 40.264, 54.019

Tritanomaly
24, 57.663, 39.126

Monochromacy



Original Color
24, 58.879, 37.958

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 23.908, 26.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 58.879, 37.958 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(122, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 0, 0)  
}
```

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(122, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 58.879, 37.958 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(122, 0, 0) }
```

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

```
.border{ border-color:rgb(122, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(122, 0, 0); box-shadow:4px  
4px 4px 4px rgb(122, 0, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 58.879, 37.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 0) }
```

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

```
.background{ background-color: rgb(122, 0,  
0) }
```

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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