

Converting Colors

CIELCh(23, 37.481, 124.113)

Have a look what the booklet for
CIELCh(23, 37.481, 124.113)
contains.

CIELCh(23, 37.508, 124.284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(23, 37.508, 124.284)

Conversions

Conversions Part 1

Format	Color
Hex	233E00
RGB	35, 62, 0
RGB Percent	14%, 24%, 0%
CMY	0.8628, 0.7569, 1.0000
CMYK	0.44, 0.00, 1.00, 0.76
HSL	86°, 100%, 12%
HSV	86°, 100%, 24%
XYZ	2.4141, 3.8003, 0.6057
YIQ	46.8590, 3.8100, -25.0060

Conversions

Conversions Part 2

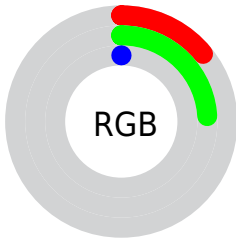
Format	Color
RYB	0, 62, 27
Decimal	2309632
CIELab	23.00, -21.13, 30.99
CIELCh	23, 37.508, 124.284
Yxy	3.8003, 0.3540, 0.5572
Android (android.graphics.Color)	4280499712 (0xFF233E00)
YUV	46.8590, -23.1015, -10.4003
Hunter-Lab	19.4944, -12.0102, 11.8038

Details

The CIELCh color **23, 37.508, 124.284** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 43.709, 310.945**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 37.538, 124.272**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 37.502, 124.289**, and if you desaturate by 10%, it is **23, 34.706, 124.127**.

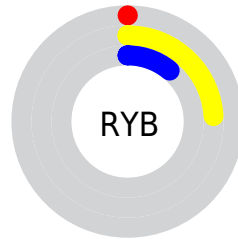
Distribution



Red (14%)

Green (24%)

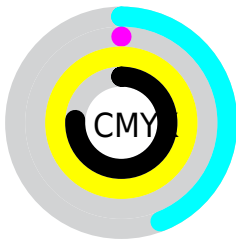
Blue (0%)



Red (0%)

Yellow (24%)

Blue (11%)

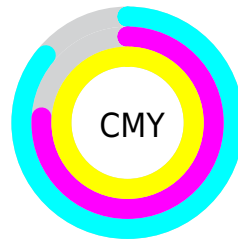


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (76%)



Cyan (86%)


Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 37.508, 124.284 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 23, 37.508, 124.284 by changing the saturation by 10% instead.

 23, 37.508,
124.284


 23, 37.508,
124.284

 100, 37.508,
124.284

 13, 37.508,
124.284


 43, 37.508,
124.284


 3, 37.508, 124.284

 53, 37.508,
124.284

 0, 37.508, 124.284

 63, 37.508,
124.284

 73, 37.508,
124.284

 83, 37.508,
124.284

 93, 37.508,

124.284

■ 23, 37.508,
124.284

■ 23, 37.508,
124.284

■ 23, 37.502,
124.289

■ 23, 34.706,
124.127

■ 23, 31.858,
123.961

■ 24, 28.548,
124.058

■ 24, 24.880,
124.316

■ 24, 20.966,
124.674

■ 25, 16.893,
125.086

■ 25, 12.721,
125.521

■ 25, 8.494, 125.960

■ 26, 4.245, 126.390

Harmonies

Complementary

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



23, 37.508, 124.284



5, 43.709, 310.945

Rectangle

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



23, 37.508, 124.284



23, 37.508, 174.284



23, 37.508, 304.284



23, 37.508, 354.284

Sweetspot

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



23, 37.502, 124.289



33, 15.988, 125.460



14, 26.401, 55.114



15, 10.717, 125.396



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 37.502, 124.289



31, 46.139, 124.343



22, 42.345, 136.019



11, 2.330, 126.458



36, 51.135, 124.671



80, 96.307, 125.949

Inverse Universe

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



5, 43.709, 310.945



9, 54.762, 311.492



11, 42.178, 325.943



10, 2.360, 307.124



11, 60.665, 311.265



34, 114.034, 310.402

Previews

White Background



This preview shows how the CIE LCh color 23, 37.508, 124.284 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

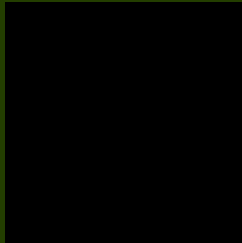
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 37.508, 124.284

Background



This preview shows how black text looks on a background with the CIELCh color 23, 37.508, 124.284.



This preview shows how white text looks on a background with the CIELCh color 23, 37.508, 124.284.

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

23, 37.508, 124.284

Deuteranopia

23, 27.001, 83.897

Tritanopia

23, 7.046, 220.730

Trichromacy



Original Color
23, 37.508, 124.284

Deuteranomaly
23, 28.684, 102.729

Tritanomaly
23, 16.262, 142.415

Monochromacy



Original Color
23, 37.508, 124.284

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 15.315, 124.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 37.508, 124.284 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(35, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 62, 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(35, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 62, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 37.508, 124.284 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(35, 62, 0) }
```

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

```
.border{ border-color:rgb(35, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(35, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 62, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(35, 62, 0); box-shadow:4px  
4px 4px 4px rgb(35, 62, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 37.508, 124.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 62, 0) }
```

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

```
.background{ background-color: rgb(35, 62,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor