

Converting Colors

CIELCh(42, 23.025, 29.291)

Have a look what the booklet for
CIELCh(42, 23.025, 29.291) contains.

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Color

CIELCh(42, 23.014, 28.462)

Conversions

Conversions Part 1

Format	Color
Hex	885652
RGB	136, 86, 82
RGB Percent	53%, 34%, 32%
CMY	0.4667, 0.6627, 0.6784
CMYK	0.00, 0.37, 0.40, 0.47
HSL	4°, 25%, 43%
HSV	4°, 40%, 53%
XYZ	15.0052, 12.5000, 9.6053
YIQ	100.4940, 31.0840, 9.3560

Conversions

Conversions Part 2

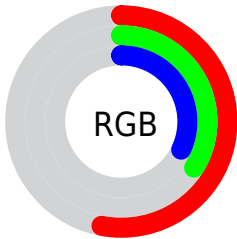
Format	Color
R_{YB}	136, 86, 82
Decimal	8934994
CIE _{Lab}	42.00, 20.23, 10.97
CIE _{LCh}	42, 23.014, 28.462
Yxy	12.5000, 0.4043, 0.3368
Android (android.graphics.Color)	4287125074 (0xFF885652)
YUV	100.4940, -9.1175, 31.1388
Hunter-Lab	35.3553, 13.8853, 8.6409

Details

The CIELCh color **42, 23.014, 28.462** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 17.371, 205.488**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 23.174, 28.521**, and **22, 23.019, 29.447** is the 20% darker color. If you saturate the color by 10%, you get **39, 29.854, 29.689**, and if you desaturate by 10%, it is **46, 16.572, 27.545**.

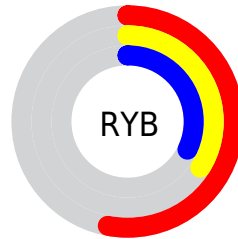
Distribution



Red (53%)

Green (34%)

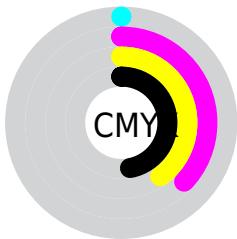
Blue (32%)



Red (53%)

Yellow (34%)

Blue (32%)

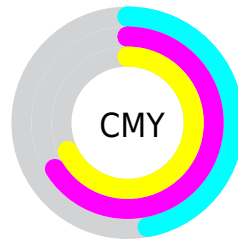


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (47%)



Cyan (47%)

Magenta (66%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 23.014, 28.462 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 42, 23.014, 28.462 by changing the saturation by 10% instead.

■ 42, 23.014, 28.462

■ 42, 23.014, 28.462

■ 100, 23.014,
28.462

■ 32, 23.014, 28.462

■ 62, 23.014, 28.462

■ 22, 23.014, 28.462

■ 72, 23.014, 28.462

■ 12, 23.014, 28.462

■ 82, 23.014, 28.462

■ 2, 23.014, 28.462

■ 92, 23.014, 28.462

■ 0, 23.014, 28.462

■ 42, 23.014, 28.462

■ 42, 23.014, 28.462

■ 39, 29.854, 29.689

■ 46, 16.572, 27.545

■ 36, 37.011, 31.283

■ 49, 10.569, 26.856

33, 44.333, 33.292

53, 5.003, 26.322

31, 51.565, 35.674

57, 0.147, 208.910

29, 58.216, 38.149

61, 4.911, 205.896

28, 63.323, 40.108

65, 9.329, 205.692

28, 63.459, 40.175

69, 13.437,
205.575

73, 17.273,
205.511

76, 20.869,
205.484

Harmonies

Complementary

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



42, 23.014, 28.462



52, 17.371, 205.488

Rectangle

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



42, 23.014, 28.462



42, 23.014, 78.462



42, 23.014, 208.462



42, 23.014, 258.462

Sweetspot

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



42, 23.013, 28.466



66, 7.712, 26.450



43, 36.102, 328.450



34, 5.178, 26.506



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



42, 23.013, 28.466



50, 35.498, 29.597



49, 20.959, 77.232



27, 2.932, 26.294



27, 62.120, 40.044



0, 1.316, 26.056

Inverse Universe

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



52, 17.371, 205.488



65, 24.767, 205.583



44, 19.654, 268.869



28, 2.770, 205.904



47, 28.157, 208.752



1, 1.316, 206.075

Previews

White Background



This preview shows how the CIELCh color 42, 23.014, 28.462 looks on a white background.

Color Contrast Check

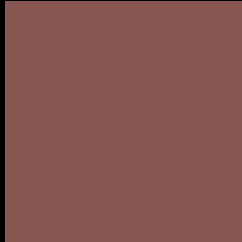
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 23.014, 28.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 23.014, 28.462

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.014, 28.462.



This preview shows how white text looks on a background with the CIELCh color 42, 23.014, 28.462.

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

42, 23.014, 28.462

Protanopia

42, 6.386, 89.411

Deuteranopia

42, 13.333, 65.822



Tritanopia
42, 23.121, 14.077

Trichromacy



Original Color
42, 23.014, 28.462

Protanomaly
42, 10.984, 46.319

Deuteranomaly
42, 15.752, 45.585

Tritanomaly
42, 23.211, 18.474

Monochromacy



Original Color
42, 23.014, 28.462

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 7.884, 29.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.014, 28.462 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(136, 86, 82)` looks like.

```
.text, #text, p{  
    color:rgb(136, 86, 82)  
}
```

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(136, 86, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 86, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.014, 28.462 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(136, 86, 82) }
```

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

```
.border{ border-color:rgb(136, 86, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 86, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 86, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 86, 82);  
box-shadow:4px 4px 4px 4px rgb(136, 86,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.014, 28.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 86, 82) }
```

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

```
.background{ background-color: rgb(136, 86,  
82) }
```

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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