

Converting Colors

CIELCh(41, 42.231, 102.943)

Have a look what the booklet for
CIELCh(41, 42.231, 102.943)
contains.

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Color

CIELCh(41, 42.492, 103.084)

Conversions

Conversions Part 1

Format	Color
Hex	656416
RGB	101, 100, 22
RGB Percent	40%, 39%, 9%
CMY	0.6051, 0.6090, 0.9150
CMYK	0.00, 0.01, 0.78, 0.61
HSL	59°, 65%, 24%
HSV	59°, 78%, 39%
XYZ	10.0035, 11.8645, 2.5056
YIQ	91.4070, 25.6340, -24.0460

Conversions

Conversions Part 2

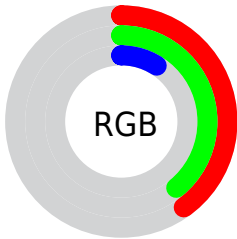
Format	Color
R_{YB}	23, 101, 22
Decimal	6644758
CIE _{Lab}	41.00, -9.62, 41.39
CIE _{LCh}	41, 42.492, 103.084
Y _{xy}	11.8645, 0.4104, 0.4868
Android (android.graphics.Color)	4284834838 (0xFF656416)
YUV	91.4070, -34.2177, 8.4131
Hunter-Lab	34.4449, -8.4386, 19.7986

Details

The CIELCh color $41, 42.492, 103.084$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $14, 53.826, 302.228$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 42.649, 103.551$, and $21, 30.909, 106.520$ is the 20% darker color. If you saturate the color by 10%, you get $41, 45.652, 102.587$, and if you desaturate by 10%, it is $41, 38.376, 103.725$.

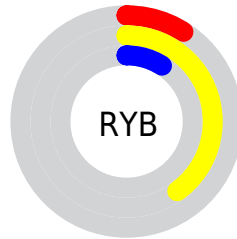
Distribution



Red (40%)

Green (39%)

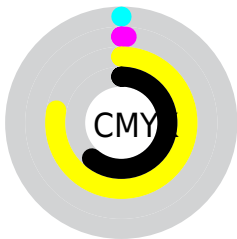
Blue (9%)



Red (9%)

Yellow (40%)

Blue (9%)

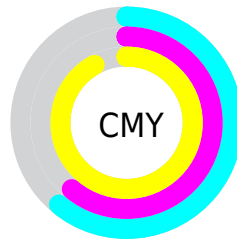


Cyan (0%)

Magenta (1%)

Yellow (78%)

Black (61%)



Cyan (61%)


Magenta (61%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 42.492, 103.084 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 41, 42.492, 103.084 by changing the saturation by 10% instead.


 41, 42.492,
103.084


 41, 42.492,
103.084


 100, 42.492,
103.084


 31, 42.492,
103.084

 61, 42.492,
103.084


 21, 42.492,
103.084

 71, 42.492,
103.084

 11, 42.492,
103.084

 81, 42.492,
103.084

 1, 42.492, 103.084

 91, 42.492,
103.084

 0, 42.492, 103.084

 41, 42.492,

 41, 42.492,

103.084

■ 41, 45.652,
102.587

■ 41, 48.172,
102.182

■ 41, 48.579,
102.118

103.084

■ 41, 38.376,
103.725

■ 41, 33.561,
104.473

■ 41, 28.273,
105.298

■ 42, 22.680,
106.175

■ 42, 16.900,
107.081

■ 42, 11.008,
107.998

■ 42, 5.057, 108.910

■ 43, 0.921, 289.867

Harmonies

Complementary

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



41, 42.492, 103.084



14, 53.826, 302.228

Rectangle

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



41, 42.492, 103.084



41, 42.492, 153.084



41, 42.492, 283.084



41, 42.492, 333.084

Sweetspot

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



41, 42.492, 103.086



54, 17.612, 107.428



21, 40.585, 30.573



28, 12.180, 107.190



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 42.492, 103.086



52, 56.878, 102.295



38, 46.757, 125.744



21, 3.387, 108.868



46, 53.280, 102.106



92, 92.348, 102.060

Inverse Universe

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



14, 53.826, 302.228



15, 77.196, 305.291



18, 52.573, 312.073



19, 3.454, 290.552



11, 73.517, 306.025



31, 128.219, 306.181

Previews

White Background



This preview shows how the CIELCh color 41, 42.492, 103.084 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 41, 42.492, 103.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

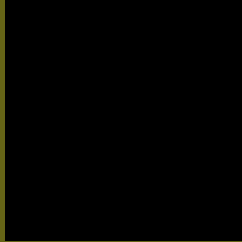
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 42.492, 103.084

Background



This preview shows how black text looks on a background with the CIELCh color 41, 42.492, 103.084.



This preview shows how white text looks on a background with the CIELCh color 41, 42.492, 103.084.

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


41, 42.492, 103.084

Protanopia

41, 42.115, 95.545

Deuteranopia

41, 40.804, 82.387



Tritanopia
41, 7.254, 344.661

Trichromacy



Original Color
41, 42.492, 103.084

Protanomaly
41, 42.251, 98.311

Deuteranomaly
41, 40.902, 90.464

Tritanomaly
41, 14.646, 89.731

Monochromacy



Original Color
41, 42.492, 103.084

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 16.897, 105.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 42.492, 103.084 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(101, 100, 22)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 22)  
}
```

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(101, 100, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 42.492, 103.084 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(101, 100, 22) }
```

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

```
.border{ border-color:rgb(101, 100, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 100, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 22);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 42.492, 103.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 22) }
```

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

```
.background{ background-color: rgb(101,  
100, 22) }
```

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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