

Converting Colors

CIELCh(42, 47.588, 64.766)

Have a look what the booklet for
CIELCh(42, 47.588, 64.766) contains.

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Color

CIELCh(42, 47.507, 64.799)

Conversions

Conversions Part 1

Format	Color
Hex	915519
RGB	145, 85, 25
RGB Percent	57%, 33%, 10%
CMY	0.4329, 0.6679, 0.9033
CMYK	0.00, 0.41, 0.83, 0.43
HSL	30°, 71%, 33%
HSV	30°, 83%, 57%
XYZ	15.0045, 12.5000, 2.5225
YIQ	96.1000, 55.0200, -5.9400

Conversions

Conversions Part 2

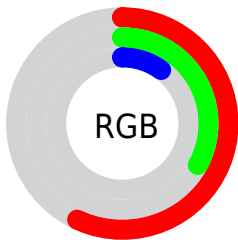
Format	Color
R_{YB}	145, 145, 25
Decimal	9524505
CIE _{Lab}	42.00, 20.23, 42.99
CIE _{LCh}	42, 47.507, 64.799
Yxy	12.5000, 0.4997, 0.4163
Android (android.graphics.Color)	4287714585 (0xFF915519)
YUV	96.1000, -35.0523, 42.8853
Hunter-Lab	35.3553, 13.8819, 20.5186

Details

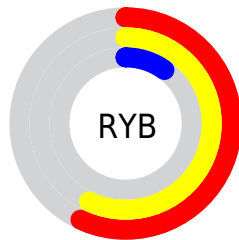
The CIELCh color **42, 47.507, 64.799** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **35, 38.644, 275.898**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 47.294, 64.808**, and **22, 38.171, 57.189** is the 20% darker color. If you saturate the color by 10%, you get **40, 52.405, 62.798**, and if you desaturate by 10%, it is **44, 41.671, 66.366**.

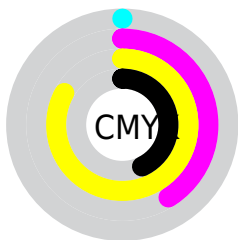
Distribution



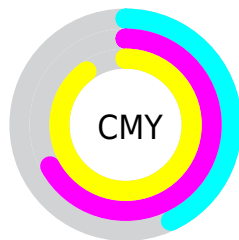
- Red (57%)
- Green (33%)
- Blue (10%)



- Red (57%)
- Yellow (57%)
- Blue (10%)



- Cyan (0%)
- Magenta (41%)
- Yellow (83%)
- Black (43%)



- Cyan (43%)
- Magenta (67%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.507, 64.799 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, 47.507, 64.799 by changing the saturation by 10% instead.

■ 42, 47.507, 64.799 ■ 42, 47.507, 64.799

■ 100, 47.507, 64.799 ■ 32, 47.507, 64.799

■ 62, 47.507, 64.799 ■ 22, 47.507, 64.799

■ 72, 47.507, 64.799 ■ 12, 47.507, 64.799

■ 82, 47.507, 64.799 ■ 2, 47.507, 64.799

■ 92, 47.507, 64.799 ■ 0, 47.507, 64.799

■ 42, 47.507, 64.799 ■ 42, 47.507, 64.799

■ 40, 52.405, 62.798 ■ 44, 41.671, 66.366

■ 39, 55.645, 61.419 ■ 46, 35.488, 67.726

■ 48, 29.293, 69.002

■ 50, 23.251, 70.245

■ 52, 17.434, 71.474

■ 55, 11.865, 72.690

■ 57, 6.543, 73.880

■ 59, 1.453, 74.915

■ 62, 3.425, 256.362

Harmonies

Complementary

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



42, 47.507, 64.799



35, 38.644, 275.898

Rectangle

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



42, 47.507, 64.799



42, 47.507, 114.799



42, 47.507, 244.799



42, 47.507, 294.799

Sweetspot

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



42, 47.506, 64.802



69, 16.156, 72.378



33, 52.407, 355.442



35, 11.067, 71.998



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



42, 47.506, 64.802



51, 67.985, 60.561



58, 58.878, 103.358



29, 2.799, 74.314



36, 52.911, 61.671



1, 1.860, 75.453

Inverse Universe

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



35, 38.644, 275.898



41, 57.718, 284.178



20, 77.103, 304.001



29, 2.743, 256.675



29, 43.961, 282.838



1, 1.861, 255.466

Previews

White Background



This preview shows how the CIELCh color 42, 47.507, 64.799 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 CIELCh color 42, 47.507, 64.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

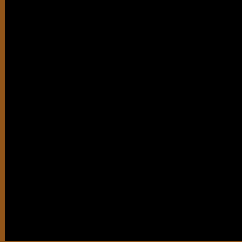
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 47.507, 64.799

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.507, 64.799.



This preview shows how white text looks on a background with the CIELCh color 42, 47.507, 64.799.

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, 47.507, 64.799

Protanopia

42, 40.184, 95.658

Deuteranopia

42, 44.449, 83.143



Tritanopia
42, 30.950, 17.813

Trichromacy



Original Color
42, 47.507, 64.799

Protanomaly
42, 41.198, 82.710

Deuteranomaly
42, 44.901, 75.718

Tritanomaly
42, 34.241, 41.372

Monochromacy



Original Color
42, 47.507, 64.799

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 16.988, 70.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.507, 64.799 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(145, 85, 25)` looks like.

```
.text, #text, p{  
    color:rgb(145, 85, 25)  
}
```

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(145, 85, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 85, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.507, 64.799 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(145, 85, 25) }
```

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

```
.border{ border-color:rgb(145, 85, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 85, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 85, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 85, 25);  
box-shadow:4px 4px 4px 4px rgb(145, 85,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.507, 64.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 85, 25) }
```

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

```
.background{ background-color: rgb(145, 85,  
25) }
```

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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