

Converting Colors

CIELCh(42, 30.329, 79.178)

Have a look what the booklet for
CIELCh(42, 30.329, 79.178) contains.

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Color

CIELCh(42, 30.086, 79.990)

Conversions

Conversions Part 1

Format	Color
Hex	7A5F32
RGB	122, 95, 50
RGB Percent	48%, 37%, 20%
CMY	0.5224, 0.6282, 0.8046
CMYK	0.00, 0.22, 0.59, 0.52
HSL	38°, 42%, 34%
HSV	38°, 59%, 48%
XYZ	12.6422, 12.5000, 4.7432
YIQ	97.9430, 30.5370, -8.2710

Conversions

Conversions Part 2

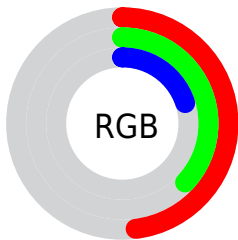
Format	Color
RYB	93, 122, 50
Decimal	8019762
CIELab	42.00, 5.23, 29.63
CIELCh	42, 30.086, 79.990
Yxy	12.5000, 0.4230, 0.4183
Android (android.graphics.Color)	4286209842 (0xFF7A5F32)
YUV	97.9430, -23.6359, 21.0980
Hunter-Lab	35.3553, 1.9552, 16.7945

Details

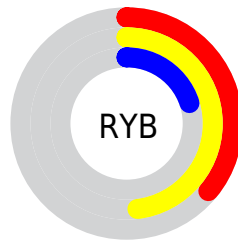
The CIELCh color **42, 30.086, 79.990** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 29.043, 278.860**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 29.745, 79.820**, and **22, 29.995, 79.451** is the 20% darker color. If you saturate the color by 10%, you get **41, 35.230, 78.529**, and if you desaturate by 10%, it is **43, 24.818, 81.387**.

Distribution



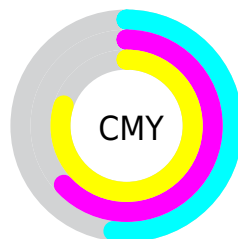
- Red (48%)
- Green (37%)
- Blue (20%)



- Red (36%)
- Yellow (48%)
- Blue (20%)



- Cyan (0%)
- Magenta (22%)
- Yellow (59%)
- Black (52%)





















- Cyan (52%)
- Magenta (63%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 30.086, 79.990 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, 30.086, 79.990 by changing the saturation by 10% instead.

 42, 30.086, 79.990	 42, 30.086, 79.990
 100, 30.086, 79.990	 32, 30.086, 79.990
 62, 30.086, 79.990	 22, 30.086, 79.990
 72, 30.086, 79.990	 12, 30.086, 79.990
 82, 30.086, 79.990	 2, 30.086, 79.990
 92, 30.086, 79.990	 0, 30.086, 79.990

 42, 30.086, 79.990	 42, 30.086, 79.990
 41, 35.230, 78.529	 43, 24.818, 81.387
 39, 40.003, 76.932	 45, 19.562, 82.733

■ 38, 44.007, 75.087

■ 46, 14.385, 84.041

■ 37, 47.402, 73.122

■ 48, 9.321, 85.310

■ 37, 47.755, 72.974

■ 50, 4.380, 86.527

■ 51, 0.437, 268.201

■ 53, 5.136, 268.962

■ 55, 9.724, 270.054

■ 56, 14.211,
271.109

Harmonies

Complementary

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



42, 30.086, 79.990



33, 29.043, 278.860

Rectangle

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



42, 30.086, 79.990



42, 30.086, 129.990



42, 30.086, 259.990



42, 30.086, 309.990

Sweetspot

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



42, 30.086, 79.994



62, 10.869, 85.392



32, 34.434, 357.996



31, 7.535, 85.092



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 30.086, 79.994



52, 44.750, 77.969



49, 40.118, 110.481



25, 2.724, 86.530



38, 48.644, 72.885



73, 81.993, 71.060

Inverse Universe

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



33, 29.043, 278.860



38, 43.607, 283.050



25, 46.947, 301.496



24, 2.713, 268.849



22, 51.957, 292.746



46, 92.512, 294.870

Previews

White Background



This preview shows how the CIELCh color 42, 30.086, 79.990 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, 30.086, 79.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

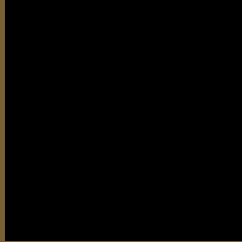
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 30.086, 79.990

Background



This preview shows how black text looks on a background with the CIELCh color 42, 30.086, 79.990.



This preview shows how white text looks on a background with the CIELCh color 42, 30.086, 79.990.

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, 30.086, 79.990

Protanopia

42, 28.753, 95.238

Deuteranopia

42, 30.086, 79.990



Tritanopia
42, 15.945, 8.752

Trichromacy



Original Color
42, 30.086, 79.990

Protanomaly
42, 28.523, 89.174

Deuteranomaly
42, 30.086, 79.990

Tritanomaly
42, 16.827, 48.380

Monochromacy



Original Color
42, 30.086, 79.990

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 11.199, 84.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 30.086, 79.990 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, 95, 50)` looks like.

```
.text, #text, p{  
    color:rgb(122, 95, 50)  
}
```

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, 95, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 95, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 30.086, 79.990 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, 95, 50) }
```

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

```
.border{ border-color:rgb(122, 95, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 95, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 95, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 95, 50);  
box-shadow:4px 4px 4px 4px rgb(122, 95,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 30.086, 79.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 95, 50) }
```

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

```
.background{ background-color: rgb(122, 95,  
50) }
```

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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